

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032924\
 Data File : VY017795.D
 Acq On : 29 Mar 2024 16:42
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/01/2024
 Supervised By :Semsettin Yesilyurt 04/01/2024

Quant Time: Mar 30 05:46:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:41:07 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	257696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	399609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	342768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	159731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	346989	155.605	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 311.200%#			
35) Dibromofluoromethane	7.715	113	369288	159.926	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 319.860%#			
50) Toluene-d8	10.184	98	1419447	164.563	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 329.120%#			
62) 4-Bromofluorobenzene	12.489	95	441564	168.259	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 336.520%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	271457	157.514	ug/l	98
3) Chloromethane	2.113	50	543414	161.557	ug/l	97
4) Vinyl Chloride	2.247	62	720538	163.915	ug/l	99
5) Bromomethane	2.631	94	583330	164.121	ug/l	98
6) Chloroethane	2.783	64	469635	163.747	ug/l	100
7) Trichlorofluoromethane	3.119	101	710997	165.858	ug/l	96
8) Diethyl Ether	3.527	74	214848	170.619	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	411482	160.058	ug/l	99
10) Methyl Iodide	4.088	142	501391m	179.342	ug/l	
11) Tert butyl alcohol	4.954	59	144760	747.842	ug/l #	82
12) 1,1-Dichloroethene	3.869	96	397454	165.214	ug/l	92
13) Acrolein	3.722	56	127811	818.097	ug/l	99
14) Allyl chloride	4.472	41	502248	170.175	ug/l	100
15) Acrylonitrile	5.161	53	452999	852.242	ug/l	99
16) Acetone	3.942	43	381656	827.985	ug/l	93
17) Carbon Disulfide	4.192	76	1172030	172.156	ug/l	98
18) Methyl Acetate	4.472	43	173692	170.123	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	992435	180.174	ug/l	100
20) Methylene Chloride	4.710	84	419748	154.133	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	437711	170.030	ug/l	95
22) Diisopropyl ether	6.118	45	1194459	175.101	ug/l	99
23) Vinyl Acetate	6.057	43	3841978	922.463	ug/l	99
24) 1,1-Dichloroethane	6.014	63	755940	166.964	ug/l	97
25) 2-Butanone	6.984	43	587654	894.928	ug/l	97
26) 2,2-Dichloropropane	6.978	77	652130	166.762	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	532110	174.898	ug/l	97
28) Bromochloromethane	7.337	49	304544	165.405	ug/l	95
29) Tetrahydrofuran	7.343	42	355622	902.571	ug/l	99
30) Chloroform	7.508	83	761957	162.201	ug/l	98
31) Cyclohexane	7.789	56	646204	164.497	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	668929	167.305	ug/l	98
36) 1,1-Dichloropropene	7.917	75	588832	174.771	ug/l	96
37) Ethyl Acetate	7.075	43	255610	175.803	ug/l	98
38) Carbon Tetrachloride	7.904	117	603883	172.655	ug/l	99
39) Methylcyclohexane	9.185	83	787378	187.094	ug/l	96
40) Benzene	8.160	78	1779554	171.389	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.331	41	172474m	149.956	ug/l	
42) 1,2-Dichloroethane	8.240	62	427121	167.130	ug/l	98
43) Isopropyl Acetate	8.270	43	477797	181.080	ug/l	97
44) Trichloroethene	8.941	130	456360	168.935	ug/l	99
45) 1,2-Dichloropropane	9.215	63	415776	172.327	ug/l	97
46) Dibromomethane	9.307	93	235956	172.137	ug/l	99
47) Bromodichloromethane	9.502	83	583735	168.536	ug/l	98
48) Methyl methacrylate	9.294	41	223961	149.564	ug/l	99
49) 1,4-Dioxane	9.300	88	56157	3649.373	ug/l #	99
51) 4-Methyl-2-Pentanone	10.075	43	1321785	748.789	ug/l	99
52) Toluene	10.252	92	1111389	176.465	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	567093	184.401	ug/l	97
54) cis-1,3-Dichloropropene	9.934	75	664982	177.171	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	313356	171.562	ug/l	96
56) Ethyl methacrylate	10.514	69	459206	149.771	ug/l	98
57) 1,3-Dichloropropane	10.794	76	539231	174.556	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	1229548	754.118	ug/l	99
59) 2-Hexanone	10.837	43	937262	748.721	ug/l	100
60) Dibromochloromethane	10.989	129	408535	177.342	ug/l	100
61) 1,2-Dibromoethane	11.093	107	293663	176.323	ug/l	98
64) Tetrachloroethene	10.727	164	491670	164.458	ug/l	97
65) Chlorobenzene	11.520	112	1207133	171.679	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	437490	183.245	ug/l	99
67) Ethyl Benzene	11.599	91	2260730	187.033	ug/l	99
68) m/p-Xylenes	11.709	106	1737538	379.041	ug/l	100
69) o-Xylene	12.032	106	815096	150.071	ug/l	100
70) Styrene	12.050	104	1395066	150.069	ug/l	100
71) Bromoform	12.215	173	237888	179.758	ug/l #	98
73) Isopropylbenzene	12.336	105	2027074	181.087	ug/l	99
74) N-amyl acetate	12.148	43	440933	149.737	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.586	83	347288	179.352	ug/l	99
76) 1,2,3-Trichloropropane	12.641	75	248123m	170.236	ug/l	
77) Bromobenzene	12.611	156	474740	178.072	ug/l	98
78) n-propylbenzene	12.678	91	2427065	177.692	ug/l	100
79) 2-Chlorotoluene	12.763	91	1318095	176.175	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	1575591	180.355	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.385	75	125413	149.467	ug/l	99
82) 4-Chlorotoluene	12.861	91	1347674	173.960	ug/l	99
83) tert-Butylbenzene	13.080	119	1436844	180.906	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	1611767	185.247	ug/l	98
85) sec-Butylbenzene	13.257	105	2104827	176.565	ug/l	98
86) p-Isopropyltoluene	13.373	119	1892232	189.900	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	976854	184.657	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	861519	170.146	ug/l	99
89) n-Butylbenzene	13.702	91	1655875	180.623	ug/l	99
90) Hexachloroethane	13.970	117	340463	171.831	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	754787	172.128	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	46797	178.844	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	444990	185.273	ug/l	99
94) Hexachlorobutadiene	15.116	225	242309	166.422	ug/l	99
95) Naphthalene	15.245	128	819850	149.602	ug/l	100
96) 1,2,3-Trichlorobenzene	15.427	180	369766	182.257	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

