

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040124\
 Data File : VY017802.D
 Acq On : 01 Apr 2024 12:01
 Operator : SY/MD
 Sample : VY0401SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/02/2024
 Supervised By :Semsettin Yesilyurt 04/02/2024

Quant Time: Apr 02 03:17:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	209314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	336483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	290023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	136579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	93756	51.763	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.520%			
35) Dibromofluoromethane	7.716	113	97594	50.194	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.380%			
50) Toluene-d8	10.185	98	367908	50.655	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.320%			
62) 4-Bromofluorobenzene	12.489	95	109178	49.407	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	28011	20.010	ug/l	99
3) Chloromethane	2.113	50	54292	19.872	ug/l	99
4) Vinyl Chloride	2.247	62	73997	20.725	ug/l	98
5) Bromomethane	2.644	94	63388	21.957	ug/l	99
6) Chloroethane	2.790	64	51385	22.058	ug/l	98
7) Trichlorofluoromethane	3.125	101	69117	19.850	ug/l	100
8) Diethyl Ether	3.527	74	20014	19.568	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.893	101	39468	18.901	ug/l	98
10) Methyl Iodide	4.088	142	38151	16.800	ug/l	99
11) Tert butyl alcohol	4.954	59	16419	109.213	ug/l #	84
12) 1,1-Dichloroethene	3.869	96	35725	18.283	ug/l	86
13) Acrolein	3.729	56	16317	128.584	ug/l	98
14) Allyl chloride	4.472	41	46565	19.424	ug/l	95
15) Acrylonitrile	5.161	53	43135	99.909	ug/l	99
16) Acetone	3.942	43	37226	99.427	ug/l	92
17) Carbon Disulfide	4.198	76	90560	16.377	ug/l	99
18) Methyl Acetate	4.479	43	17611	21.236	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	88664	19.817	ug/l	98
20) Methylene Chloride	4.710	84	56237	23.082	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	38505	18.415	ug/l	99
22) Diisopropyl ether	6.118	45	112737	20.347	ug/l	95
23) Vinyl Acetate	6.058	43	336347	99.424	ug/l	98
24) 1,1-Dichloroethane	6.015	63	72683	19.764	ug/l	99
25) 2-Butanone	6.990	43	53217	99.776	ug/l	94
26) 2,2-Dichloropropane	6.978	77	60797	19.141	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	46599	18.857	ug/l	95
28) Bromochloromethane	7.338	49	34054	22.771	ug/l	91
29) Tetrahydrofuran	7.350	42	32719	102.236	ug/l	95
30) Chloroform	7.508	83	75990	19.915	ug/l	100
31) Cyclohexane	7.789	56	55880	17.513	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	62506	19.247	ug/l	96
36) 1,1-Dichloropropene	7.917	75	51261	18.069	ug/l	97
37) Ethyl Acetate	7.076	43	24171	19.743	ug/l	97
38) Carbon Tetrachloride	7.905	117	53552	18.183	ug/l	93
39) Methylcyclohexane	9.185	83	58660	16.553	ug/l	95
40) Benzene	8.161	78	165998	18.987	ug/l	97

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Reviewed By :Mahesh Dadoda 04/02/2024
 Supervised By :Semsettin Yesilyurt 04/02/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	14891m	23.574	ug/l	
42) 1,2-Dichloroethane	8.234	62	42544	19.770	ug/l	98
43) Isopropyl Acetate	8.277	43	43248	19.465	ug/l	95
44) Trichloroethene	8.941	130	41464	18.229	ug/l	93
45) 1,2-Dichloropropane	9.215	63	39453	19.420	ug/l	97
46) Dibromomethane	9.307	93	22406	19.412	ug/l	96
47) Bromodichloromethane	9.502	83	56894	19.508	ug/l	93
48) Methyl methacrylate	9.295	41	18922	22.054	ug/l	94
49) 1,4-Dioxane	9.301	88	5290	408.265	ug/l #	100
51) 4-Methyl-2-Pentanone	10.075	43	119060	116.675	ug/l	96
52) Toluene	10.246	92	101337	19.109	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	49381	19.070	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	59842	18.935	ug/l	97
55) 1,1,2-Trichloroethane	10.654	97	30141	19.598	ug/l	97
56) Ethyl methacrylate	10.514	69	36752	21.631	ug/l	93
57) 1,3-Dichloropropane	10.794	76	49957	19.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	112855	127.486	ug/l	97
59) 2-Hexanone	10.837	43	79424	111.943	ug/l	96
60) Dibromochloromethane	10.990	129	36866	19.006	ug/l	99
61) 1,2-Dibromoethane	11.093	107	26511	18.904	ug/l	100
64) Tetrachloroethene	10.727	164	47527	18.788	ug/l	99
65) Chlorobenzene	11.520	112	110983	18.655	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	37689	18.657	ug/l	100
67) Ethyl Benzene	11.599	91	187400	18.323	ug/l	97
68) m/p-Xylenes	11.709	106	141657	36.522	ug/l	96
69) o-Xylene	12.038	106	66215	22.001	ug/l	99
70) Styrene	12.050	104	114240	22.278	ug/l	99
71) Bromoform	12.215	173	21297	19.020	ug/l #	97
73) Isopropylbenzene	12.337	105	174759	18.258	ug/l	99
74) N-amyl acetate	12.148	43	35678	21.843	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	30840	18.627	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	24145m	19.400	ug/l	
77) Bromobenzene	12.617	156	40947	17.962	ug/l	95
78) n-propylbenzene	12.678	91	215882	18.484	ug/l	100
79) 2-Chlorotoluene	12.764	91	117871	18.425	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	135652	18.160	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	10346	21.258	ug/l	93
82) 4-Chlorotoluene	12.861	91	122718	18.526	ug/l	99
83) tert-Butylbenzene	13.081	119	123031	18.116	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	138041	18.555	ug/l	99
85) sec-Butylbenzene	13.257	105	189570	18.598	ug/l	100
86) p-Isopropyltoluene	13.379	119	154860	18.176	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	81661	18.053	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	80966	18.701	ug/l	98
89) n-Butylbenzene	13.702	91	145119	18.513	ug/l	97
90) Hexachloroethane	13.965	117	32335	19.086	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	70468	18.794	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4019	17.963	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	36717	17.879	ug/l	99
94) Hexachlorobutadiene	15.117	225	22404	17.996	ug/l	100
95) Naphthalene	15.245	128	60158	20.693	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	30485	17.573	ug/l	99

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

