

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030124\
 Data File : VY017542.D
 Acq On : 01 Mar 2024 09:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/04/2024
 Supervised By :Mahesh Dadoda 03/04/2024

Quant Time: Mar 02 00:13:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	150556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	226587	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	192145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	89703	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	69018	48.370	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.740%
35) Dibromofluoromethane	7.728	113	86763	54.951	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.900%
50) Toluene-d8	10.191	98	328578	59.519	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	119.040%
62) 4-Bromofluorobenzene	12.495	95	96981	55.898	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	111.800%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	56916	51.248	ug/l	99
3) Chloromethane	2.119	50	93408	46.032	ug/l	99
4) Vinyl Chloride	2.259	62	125266	48.119	ug/l	99
5) Bromomethane	2.662	94	96570	45.521	ug/l	97
6) Chloroethane	2.802	64	81474	49.612	ug/l	99
7) Trichlorofluoromethane	3.131	101	134219	50.588	ug/l	99
8) Diethyl Ether	3.534	74	37517	48.211	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	83025	54.403	ug/l	98
10) Methyl Iodide	4.101	142	100686	58.788	ug/l	99
11) Tert butyl alcohol	4.948	59	18299	150.978	ug/l #	82
12) 1,1-Dichloroethene	3.887	96	79439	55.855	ug/l	95
13) Acrolein	3.735	56	25891	161.896	ug/l	100
14) Allyl chloride	4.485	41	92612	53.891	ug/l	97
15) Acrylonitrile	5.167	53	69884	218.459	ug/l	99
16) Acetone	3.948	43	76330	275.804	ug/l	94
17) Carbon Disulfide	4.204	76	249197	58.374	ug/l	99
18) Methyl Acetate	4.485	43	29771	44.340	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	154956	46.744	ug/l	99
20) Methylene Chloride	4.722	84	91861	57.294	ug/l	97
21) trans-1,2-Dichloroethene	5.235	96	92906	55.791	ug/l	94
22) Diisopropyl ether	6.125	45	207493	52.324	ug/l	96
23) Vinyl Acetate	6.070	43	568411	240.541	ug/l	100
24) 1,1-Dichloroethane	6.027	63	144471	53.326	ug/l	99
25) 2-Butanone	6.996	43	97427	247.020	ug/l	96
26) 2,2-Dichloropropane	6.990	77	123350	54.153	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	100620	53.816	ug/l	98
28) Bromochloromethane	7.344	49	58397	54.731	ug/l	93
29) Tetrahydrofuran	7.356	42	52336	220.127	ug/l	99
30) Chloroform	7.515	83	152711	52.943	ug/l	100
31) Cyclohexane	7.795	56	126405	54.436	ug/l	98
32) 1,1,1-Trichloroethane	7.716	97	135998	54.308	ug/l	99
36) 1,1-Dichloropropene	7.929	75	122215	57.369	ug/l	99
37) Ethyl Acetate	7.088	43	37350	44.390	ug/l	99
38) Carbon Tetrachloride	7.911	117	123417	57.805	ug/l	98
39) Methylcyclohexane	9.197	83	153129	59.812	ug/l	98
40) Benzene	8.173	78	352489	55.716	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	19245	45.580	ug/l	98
42) 1,2-Dichloroethane	8.246	62	76979	49.871	ug/l	99
43) Isopropyl Acetate	8.283	43	68586	46.387	ug/l	99
44) Trichloroethene	8.953	130	100427	55.074	ug/l	95
45) 1,2-Dichloropropane	9.228	63	80600	53.549	ug/l	97
46) Dibromomethane	9.319	93	43042	49.967	ug/l	97
47) Bromodichloromethane	9.508	83	110781	52.965	ug/l	95
48) Methyl methacrylate	9.301	41	32392	47.330	ug/l	96
49) 1,4-Dioxane	9.307	88	7837	803.901	ug/l #	98
51) 4-Methyl-2-Pentanone	10.081	43	186330	226.117	ug/l	100
52) Toluene	10.258	92	226581	56.812	ug/l	99
53) t-1,3-Dichloropropene	10.478	75	99356	51.179	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	123378	52.303	ug/l	98
55) 1,1,2-Trichloroethane	10.654	97	59261	48.454	ug/l	97
56) Ethyl methacrylate	10.520	69	66596	44.552	ug/l	98
57) 1,3-Dichloropropane	10.801	76	97133	48.847	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	199113	282.127	ug/l	99
59) 2-Hexanone	10.843	43	144335	255.001	ug/l	98
60) Dibromochloromethane	10.996	129	73289	50.654	ug/l	99
61) 1,2-Dibromoethane	11.099	107	54941	48.746	ug/l	100
64) Tetrachloroethene	10.734	164	96104	52.110	ug/l	98
65) Chlorobenzene	11.532	112	232535	57.016	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.605	131	84697	55.433	ug/l	99
67) Ethyl Benzene	11.605	91	427180	59.724	ug/l	97
68) m/p-Xylenes	11.715	106	336922	119.879	ug/l	99
69) o-Xylene	12.044	106	153411	58.836	ug/l	98
70) Styrene	12.057	104	253010	58.458	ug/l	98
71) Bromoform	12.221	173	43033	50.825	ug/l #	98
73) Isopropylbenzene	12.343	105	408894	61.355	ug/l	99
74) N-amyl acetate	12.154	43	56704	48.242	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.593	83	60905	53.219	ug/l	99
76) 1,2,3-Trichloropropane	12.648	75	43136m	50.610	ug/l	
77) Bromobenzene	12.623	156	90033	55.786	ug/l	94
78) n-propylbenzene	12.684	91	487008	60.902	ug/l	99
79) 2-Chlorotoluene	12.770	91	260297	58.140	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	320986	60.118	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	17997	48.519	ug/l	98
82) 4-Chlorotoluene	12.867	91	262272	57.274	ug/l	97
83) tert-Butylbenzene	13.087	119	284522	60.685	ug/l	98
84) 1,2,4-Trimethylbenzene	13.136	105	312545	59.294	ug/l	99
85) sec-Butylbenzene	13.264	105	433138	60.425	ug/l	99
86) p-Isopropyltoluene	13.379	119	355537	60.590	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	180260	55.645	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	171984	54.608	ug/l	98
89) n-Butylbenzene	13.709	91	318412	59.475	ug/l	99
90) Hexachloroethane	13.977	117	67523	57.398	ug/l	95
91) 1,2-Dichlorobenzene	13.751	146	149477	54.552	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	6995	43.478	ug/l	99
93) 1,2,4-Trichlorobenzene	15.019	180	73091	50.500	ug/l	99
94) Hexachlorobutadiene	15.123	225	47851	53.549	ug/l	99
95) Naphthalene	15.251	128	111350	40.511	ug/l	100
96) 1,2,3-Trichlorobenzene	15.440	180	59194	47.674	ug/l	98

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

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