

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072624\
 Data File : VD079408.D
 Acq On : 26 Jul 2024 14:00
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/29/2024
 Supervised By :Semsettin Yesilyurt 07/29/2024

Quant Time: Jul 27 03:31:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 12:23:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	221868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	384070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	349583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	163827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	98022	45.659	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.320%		
35) Dibromofluoromethane	7.805	113	109883	46.453	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.900%		
50) Toluene-d8	10.269	98	434970	47.507	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.020%		
62) 4-Bromofluorobenzene	12.569	95	129647	45.327	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	113279	54.472	ug/l	97
3) Chloromethane	2.146	50	50830	56.844	ug/l	97
4) Vinyl Chloride	2.281	62	51199	61.741	ug/l	97
5) Bromomethane	2.687	94	53635	58.455	ug/l	96
6) Chloroethane	2.834	64	42906	72.483	ug/l	95
7) Trichlorofluoromethane	3.170	101	214633	53.069	ug/l	100
8) Diethyl Ether	3.593	74	58433	46.807	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.970	101	135440	51.937	ug/l	96
10) Methyl Iodide	4.158	142	149432	45.250	ug/l	97
11) Tert butyl alcohol	5.052	59	27799	219.682	ug/l #	86
12) 1,1-Dichloroethene	3.940	96	132622	51.233	ug/l	94
13) Acrolein	3.793	56	38954	196.821	ug/l	96
14) Allyl chloride	4.558	41	161962	51.472	ug/l	88
15) Acrylonitrile	5.252	53	127638	234.122	ug/l	98
16) Acetone	4.022	43	110037	264.567	ug/l	99
17) Carbon Disulfide	4.264	76	436828	51.045	ug/l	98
18) Methyl Acetate	4.564	43	57479	45.054	ug/l	90
19) Methyl tert-butyl Ether	5.317	73	255048	46.594	ug/l	99
20) Methylene Chloride	4.799	84	155282	43.849	ug/l	95
21) trans-1,2-Dichloroethene	5.311	96	145732	50.682	ug/l	91
22) Diisopropyl ether	6.211	45	342527	49.859	ug/l #	94
23) Vinyl Acetate	6.152	43	1316660	246.207	ug/l	95
24) 1,1-Dichloroethane	6.111	63	239359	50.540	ug/l	97
25) 2-Butanone	7.081	43	145980	238.426	ug/l	96
26) 2,2-Dichloropropane	7.069	77	200102	50.885	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	159383	47.432	ug/l	90
28) Bromochloromethane	7.428	49	98653	50.591	ug/l #	79
29) Tetrahydrofuran	7.446	42	89542	228.487	ug/l	88
30) Chloroform	7.593	83	245591	48.066	ug/l	99
31) Cyclohexane	7.875	56	198410	50.170	ug/l	90
32) 1,1,1-Trichloroethane	7.787	97	213917	49.901	ug/l	99
36) 1,1-Dichloropropene	8.005	75	185183	50.522	ug/l	96
37) Ethyl Acetate	7.163	43	63078	44.463	ug/l	96
38) Carbon Tetrachloride	7.993	117	186389	48.995	ug/l	98
39) Methylcyclohexane	9.275	83	230799	50.183	ug/l	94
40) Benzene	8.252	78	561834	49.042	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	35654	46.700	ug/l	87
42) 1,2-Dichloroethane	8.322	62	126907	47.193	ug/l	97
43) Isopropyl Acetate	8.358	43	122122	46.292	ug/l	95
44) Trichloroethene	9.028	130	131196	48.668	ug/l	87
45) 1,2-Dichloropropane	9.305	63	129665	47.166	ug/l	96
46) Dibromomethane	9.393	93	74607	47.067	ug/l	91
47) Bromodichloromethane	9.581	83	184430	47.938	ug/l	95
48) Methyl methacrylate	9.381	41	58051	46.384	ug/l	89
49) 1,4-Dioxane	9.381	88	15083	907.432	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	317158	224.239	ug/l	97
52) Toluene	10.334	92	354899	48.622	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	168259	47.199	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	205648	47.804	ug/l	100
55) 1,1,2-Trichloroethane	10.734	97	95582	46.199	ug/l	96
56) Ethyl methacrylate	10.593	69	118286	45.191	ug/l	95
57) 1,3-Dichloropropane	10.875	76	165572	46.986	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	243496	226.813	ug/l	92
59) 2-Hexanone	10.916	43	233154	235.548	ug/l	99
60) Dibromochloromethane	11.069	129	125642	46.887	ug/l	99
61) 1,2-Dibromoethane	11.175	107	93577	46.671	ug/l	96
64) Tetrachloroethene	10.810	164	110555	50.867	ug/l	91
65) Chlorobenzene	11.604	112	367892	49.043	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	121865	47.560	ug/l	97
67) Ethyl Benzene	11.681	91	659392	49.215	ug/l	98
68) m/p-Xylenes	11.793	106	521624	99.177	ug/l	89
69) o-Xylene	12.116	106	228073	47.223	ug/l	84
70) Styrene	12.134	104	414351	48.297	ug/l	95
71) Bromoform	12.299	173	66308	46.898	ug/l #	95
73) Isopropylbenzene	12.416	105	618855	52.473	ug/l	98
74) N-amyl acetate	12.234	43	117102	49.405	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.669	83	112198	51.344	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	80030m	50.085	ug/l	
77) Bromobenzene	12.698	156	133761	50.192	ug/l	82
78) n-propylbenzene	12.757	91	772703	53.036	ug/l	95
79) 2-Chlorotoluene	12.846	91	422013	51.299	ug/l	92
80) 1,3,5-Trimethylbenzene	12.898	105	515277	52.039	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.463	75	40057	51.938	ug/l	97
82) 4-Chlorotoluene	12.946	91	450263	52.822	ug/l	94
83) tert-Butylbenzene	13.163	119	435042	52.021	ug/l	92
84) 1,2,4-Trimethylbenzene	13.210	105	522548	51.604	ug/l	96
85) sec-Butylbenzene	13.340	105	680998	53.190	ug/l	96
86) p-Isopropyltoluene	13.457	119	570270	52.700	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	282623	51.160	ug/l	96
88) 1,4-Dichlorobenzene	13.534	146	277438	51.223	ug/l	96
89) n-Butylbenzene	13.787	91	551630	53.479	ug/l	97
90) Hexachloroethane	14.051	117	115447	52.889	ug/l	90
91) 1,2-Dichlorobenzene	13.828	146	241776	50.699	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13950	45.908	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	136325	49.948	ug/l	98
94) Hexachlorobutadiene	15.198	225	79440	54.305	ug/l	93
95) Naphthalene	15.328	128	269210	48.241	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	119314	49.297	ug/l	98

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

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