

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102423\
 Data File : VD077388.D
 Acq On : 24 Oct 2023 11:18
 Operator : JC/SY
 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 : John Carlone 10/25/2023
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 25 04:01:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	209198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	338491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	318337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	166180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	75863	40.612	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.220%		
35) Dibromofluoromethane	7.805	113	94486	39.733	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	79.460%		
50) Toluene-d8	10.269	98	346447	40.679	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	81.360%		
62) 4-Bromofluorobenzene	12.575	95	101872	41.554	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	104700	53.834	ug/l	96
3) Chloromethane	2.152	50	214803	54.236	ug/l	100
4) Vinyl Chloride	2.287	62	260696	55.724	ug/l	97
5) Bromomethane	2.699	94	162119	53.925	ug/l	99
6) Chloroethane	2.840	64	184484	56.095	ug/l	98
7) Trichlorofluoromethane	3.181	101	282814	59.592	ug/l	99
8) Diethyl Ether	3.593	74	52866	41.561	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.969	101	120824	49.209	ug/l	99
10) Methyl Iodide	4.164	142	138473	46.091	ug/l	95
11) Tert butyl alcohol	5.046	59	27369	260.453	ug/l #	91
12) 1,1-Dichloroethene	3.940	96	113300	47.038	ug/l	100
13) Acrolein	3.799	56	43449	238.190	ug/l	100
14) Allyl chloride	4.564	41	115979	50.748	ug/l	99
15) Acrylonitrile	5.252	53	110245	286.003	ug/l	99
16) Acetone	4.022	43	106175	259.196	ug/l #	86
17) Carbon Disulfide	4.275	76	339449	47.940	ug/l	98
18) Methyl Acetate	4.564	43	73877	51.820	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	229187	55.863	ug/l	95
20) Methylene Chloride	4.805	84	142037	58.060	ug/l	95
21) trans-1,2-Dichloroethene	5.311	96	136681	54.558	ug/l	96
22) Diisopropyl ether	6.216	45	276858	61.712	ug/l	96
23) Vinyl Acetate	6.152	43	655313	311.691	ug/l	97
24) 1,1-Dichloroethane	6.111	63	211004	56.568	ug/l	99
25) 2-Butanone	7.081	43	124064	291.967	ug/l	97
26) 2,2-Dichloropropane	7.075	77	190309	55.955	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	150300	53.506	ug/l	99
28) Bromochloromethane	7.428	49	69649	51.116	ug/l	95
29) Tetrahydrofuran	7.452	42	71749	292.712	ug/l	99
30) Chloroform	7.599	83	232843	54.406	ug/l	98
31) Cyclohexane	7.875	56	163186	56.148	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	200653	54.346	ug/l	97
36) 1,1-Dichloropropene	8.010	75	172786	55.297	ug/l	99
37) Ethyl Acetate	7.163	43	56098	57.154	ug/l	95
38) Carbon Tetrachloride	7.993	117	184027	52.942	ug/l	98
39) Methylcyclohexane	9.275	83	204252	53.796	ug/l	97
40) Benzene	8.252	78	518434	54.673	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	21046	44.929	ug/l #	60
42) 1,2-Dichloroethane	8.322	62	119524	53.513	ug/l	100
43) Isopropyl Acetate	8.357	43	99396	56.251	ug/l	100
44) Trichloroethene	9.028	130	139801	50.426	ug/l	98
45) 1,2-Dichloropropane	9.310	63	122123	55.869	ug/l	97
46) Dibromomethane	9.393	93	70816	51.821	ug/l	96
47) Bromodichloromethane	9.581	83	174973	53.696	ug/l	99
48) Methyl methacrylate	9.381	41	46596	58.292	ug/l	89
49) 1,4-Dioxane	9.381	88	14134	1050.929	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	265021	299.201	ug/l	97
52) Toluene	10.334	92	338281	54.638	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	159874	54.659	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	195052	54.503	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	99442	52.539	ug/l	94
56) Ethyl methacrylate	10.599	69	101346	56.027	ug/l	100
57) 1,3-Dichloropropane	10.881	76	156102	53.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	245993	274.996	ug/l	99
59) 2-Hexanone	10.922	43	194420	305.610	ug/l	96
60) Dibromochloromethane	11.075	129	122377	50.636	ug/l	95
61) 1,2-Dibromoethane	11.181	107	93010	52.149	ug/l	99
64) Tetrachloroethene	10.810	164	113299	47.884	ug/l	92
65) Chlorobenzene	11.610	112	355897	51.290	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	135017	51.189	ug/l	95
67) Ethyl Benzene	11.687	91	628870	54.673	ug/l	97
68) m/p-Xylenes	11.793	106	511594	108.313	ug/l	94
69) o-Xylene	12.122	106	230916	53.107	ug/l	95
70) Styrene	12.134	104	406233	54.760	ug/l	99
71) Bromoform	12.298	173	72230	49.955	ug/l #	96
73) Isopropylbenzene	12.422	105	611543	55.636	ug/l	97
74) N-amyl acetate	12.234	43	91990	58.174	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	110122	55.132	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	84111m	37.980	ug/l	
77) Bromobenzene	12.698	156	143847	49.848	ug/l	97
78) n-propylbenzene	12.763	91	760053	57.415	ug/l	96
79) 2-Chlorotoluene	12.851	91	396871	55.042	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	506839	55.877	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	36188	58.351	ug/l	94
82) 4-Chlorotoluene	12.945	91	421348	56.129	ug/l	98
83) tert-Butylbenzene	13.169	119	444332	55.252	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	519258	56.858	ug/l	96
85) sec-Butylbenzene	13.345	105	687159	56.783	ug/l	96
86) p-Isopropyltoluene	13.463	119	581471	55.309	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	308608	50.816	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	300848	49.991	ug/l	100
89) n-Butylbenzene	13.787	91	526478	57.511	ug/l	98
90) Hexachloroethane	14.051	117	113477	53.398	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	263127	51.291	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	14255	58.307	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	154488	48.333	ug/l	98
94) Hexachlorobutadiene	15.210	225	87421	48.158	ug/l	97
95) Naphthalene	15.334	128	278988	51.696	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	138065	49.765	ug/l	99

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

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