

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077852.D
 Acq On : 13 Dec 2023 10:15
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/14/2023
 Supervised By :Semsettin Yesilyurt 12/14/2023

Quant Time: Dec 14 01:48:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	156999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	261896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	236176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	124036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	83187	44.966	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.940%		
35) Dibromofluoromethane	7.810	113	85861	46.804	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.600%		
50) Toluene-d8	10.269	98	349179	47.524	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.040%		
62) 4-Bromofluorobenzene	12.575	95	101229	46.083	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	91206	46.506	ug/l	99
3) Chloromethane	2.152	50	137308	51.364	ug/l	97
4) Vinyl Chloride	2.293	62	182982	50.421	ug/l	99
5) Bromomethane	2.699	94	112013	55.007	ug/l	98
6) Chloroethane	2.846	64	125628	50.776	ug/l	98
7) Trichlorofluoromethane	3.181	101	167172	50.016	ug/l	97
8) Diethyl Ether	3.599	74	47610	50.728	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.975	101	98383	51.453	ug/l	99
10) Methyl Iodide	4.175	142	91917	54.195	ug/l	91
11) Tert butyl alcohol	5.052	59	23374	262.951	ug/l #	91
12) 1,1-Dichloroethene	3.952	96	95797	50.762	ug/l #	82
13) Acrolein	3.805	56	35172	179.727	ug/l	95
14) Allyl chloride	4.569	41	126277	48.652	ug/l	92
15) Acrylonitrile	5.257	53	103189	256.792	ug/l	98
16) Acetone	4.022	43	101037	253.096	ug/l #	79
17) Carbon Disulfide	4.281	76	301084	47.157	ug/l	99
18) Methyl Acetate	4.563	43	76822	52.727	ug/l	90
19) Methyl tert-butyl Ether	5.322	73	206192	51.497	ug/l	95
20) Methylene Chloride	4.804	84	109090	49.769	ug/l #	87
21) trans-1,2-Dichloroethene	5.322	96	110404	51.650	ug/l	89
22) Diisopropyl ether	6.222	45	272851	50.305	ug/l	95
23) Vinyl Acetate	6.157	43	652016	246.163	ug/l #	90
24) 1,1-Dichloroethane	6.116	63	181709	49.470	ug/l	96
25) 2-Butanone	7.087	43	126141	247.922	ug/l #	84
26) 2,2-Dichloropropane	7.081	77	157152	50.958	ug/l	94
27) cis-1,2-Dichloroethene	7.087	96	118113	51.352	ug/l	90
28) Bromochloromethane	7.434	49	70622	47.582	ug/l #	79
29) Tetrahydrofuran	7.446	42	73796	250.499	ug/l	88
30) Chloroform	7.604	83	183830	50.007	ug/l	99
31) Cyclohexane	7.881	56	161987	49.228	ug/l	90
32) 1,1,1-Trichloroethane	7.798	97	163779	50.538	ug/l	98
36) 1,1-Dichloropropene	8.016	75	146635	49.972	ug/l	96
37) Ethyl Acetate	7.169	43	53438	46.704	ug/l	93
38) Carbon Tetrachloride	7.998	117	147501	50.421	ug/l	96
39) Methylcyclohexane	9.275	83	185579	53.348	ug/l	94
40) Benzene	8.251	78	421071	50.559	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	31887	54.832	ug/l #	83
42) 1,2-Dichloroethane	8.334	62	108920	50.453	ug/l	95
43) Isopropyl Acetate	8.363	43	103563	50.918	ug/l #	90
44) Trichloroethene	9.034	130	111680	51.457	ug/l	97
45) 1,2-Dichloropropane	9.310	63	102296	50.526	ug/l	97
46) Dibromomethane	9.398	93	55034	51.374	ug/l	93
47) Bromodichloromethane	9.587	83	139020	51.200	ug/l	99
48) Methyl methacrylate	9.381	41	58486	50.586	ug/l #	81
49) 1,4-Dioxane	9.387	88	11206	1053.482	ug/l #	82
51) 4-Methyl-2-Pentanone	10.163	43	260374	250.834	ug/l	90
52) Toluene	10.334	92	267802	51.838	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	135263	51.876	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	163915	51.995	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	73538	50.186	ug/l	94
56) Ethyl methacrylate	10.598	69	68132	52.746	ug/l #	84
57) 1,3-Dichloropropane	10.881	76	128859	51.018	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.875	63	187118	254.021	ug/l	95
59) 2-Hexanone	10.922	43	191600	222.480	ug/l	89
60) Dibromochloromethane	11.075	129	92746	52.572	ug/l	96
61) 1,2-Dibromoethane	11.181	107	69204	50.172	ug/l	99
64) Tetrachloroethene	10.816	164	88700	51.098	ug/l	93
65) Chlorobenzene	11.610	112	275405	49.447	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	102582	52.232	ug/l	96
67) Ethyl Benzene	11.686	91	518190	52.701	ug/l	98
68) m/p-Xylenes	11.792	106	402457	107.006	ug/l	92
69) o-Xylene	12.128	106	182552	52.665	ug/l	91
70) Styrene	12.139	104	275095	53.373	ug/l	95
71) Bromoform	12.298	173	54530	53.139	ug/l #	97
73) Isopropylbenzene	12.422	105	500774	53.269	ug/l	95
74) N-amyl acetate	12.233	43	92322	49.960	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.675	83	84159	51.343	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	51069m	47.406	ug/l	
77) Bromobenzene	12.704	156	113741	51.439	ug/l	93
78) n-propylbenzene	12.763	91	609567	53.213	ug/l	96
79) 2-Chlorotoluene	12.851	91	324837	52.914	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	416406	53.109	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	27171	51.102	ug/l	94
82) 4-Chlorotoluene	12.951	91	336556	52.441	ug/l	95
83) tert-Butylbenzene	13.169	119	359723	54.344	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	418948	53.423	ug/l	95
85) sec-Butylbenzene	13.345	105	537089	54.892	ug/l	97
86) p-Isopropyltoluene	13.463	119	480095	54.804	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	234877	51.942	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	229797	50.944	ug/l	98
89) n-Butylbenzene	13.786	91	464139	56.307	ug/l	98
90) Hexachloroethane	14.057	117	89671	55.660	ug/l	95
91) 1,2-Dichlorobenzene	13.833	146	195066	50.722	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	11766	49.544	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	135958	51.757	ug/l	97
94) Hexachlorobutadiene	15.204	225	78175	55.188	ug/l	99
95) Naphthalene	15.333	128	233910	53.593	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	114214	52.740	ug/l	99

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

