

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077896.D
 Acq On : 15 Dec 2023 11:31
 Operator : RP/MD
 Sample : VD1215SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1215SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 16 03:58:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	132825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	229273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	210906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	106074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	80607	51.501	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.000%			
35) Dibromofluoromethane	7.810	113	80955	50.409	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.820%			
50) Toluene-d8	10.269	98	331399	51.522	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.040%			
62) 4-Bromofluorobenzene	12.575	95	96329	50.092	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.180%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	32813	19.776	ug/l	98
3) Chloromethane	2.152	50	48280	21.348	ug/l	98
4) Vinyl Chloride	2.293	62	65321	21.275	ug/l	96
5) Bromomethane	2.693	94	43395	25.189	ug/l	100
6) Chloroethane	2.846	64	44932	21.466	ug/l	99
7) Trichlorofluoromethane	3.187	101	57114	20.198	ug/l	98
8) Diethyl Ether	3.593	74	16330	20.566	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.969	101	33722	20.846	ug/l	98
10) Methyl Iodide	4.175	142	30311	25.238	ug/l	94
11) Tert butyl alcohol	5.058	59	8435	105.392	ug/l #	86
12) 1,1-Dichloroethene	3.946	96	31578	19.778	ug/l #	77
13) Acrolein	3.799	56	13891	83.901	ug/l	100
14) Allyl chloride	4.569	41	43280	19.710	ug/l	89
15) Acrylonitrile	5.269	53	35750	105.158	ug/l	94
16) Acetone	4.022	43	50410	134.443	ug/l #	81
17) Carbon Disulfide	4.275	76	100648	18.633	ug/l	100
18) Methyl Acetate	4.569	43	26635	21.608	ug/l #	88
19) Methyl tert-butyl Ether	5.316	73	69354	20.474	ug/l	94
20) Methylene Chloride	4.810	84	42814	20.212	ug/l	91
21) trans-1,2-Dichloroethene	5.322	96	37276	20.613	ug/l	99
22) Diisopropyl ether	6.222	45	95456	20.802	ug/l	97
23) Vinyl Acetate	6.157	43	229414	102.377	ug/l #	87
24) 1,1-Dichloroethane	6.110	63	64425	20.732	ug/l	92
25) 2-Butanone	7.087	43	51745	111.980	ug/l #	87
26) 2,2-Dichloropropane	7.081	77	54004	20.698	ug/l	93
27) cis-1,2-Dichloroethene	7.087	96	40732	20.932	ug/l	91
28) Bromochloromethane	7.428	49	22512	17.928	ug/l #	75
29) Tetrahydrofuran	7.452	42	25965	104.178	ug/l	89
30) Chloroform	7.599	83	64491	20.736	ug/l	99
31) Cyclohexane	7.881	56	53960	19.383	ug/l	92
32) 1,1,1-Trichloroethane	7.799	97	57376	20.927	ug/l	98
36) 1,1-Dichloropropene	8.010	75	49894	19.423	ug/l	93
37) Ethyl Acetate	7.175	43	17462	17.433	ug/l	98
38) Carbon Tetrachloride	7.993	117	50601	19.758	ug/l	91
39) Methylcyclohexane	9.275	83	59833	19.647	ug/l	95
40) Benzene	8.257	78	146477	20.090	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	9773	19.197	ug/l #	85
42) 1,2-Dichloroethane	8.328	62	39185	20.734	ug/l	93
43) Isopropyl Acetate	8.357	43	35417	19.891	ug/l #	94
44) Trichloroethene	9.034	130	38273	20.144	ug/l	100
45) 1,2-Dichloropropane	9.304	63	36357	20.513	ug/l	98
46) Dibromomethane	9.393	93	18944	20.200	ug/l	94
47) Bromodichloromethane	9.587	83	49291	20.737	ug/l	95
48) Methyl methacrylate	9.381	41	20011	19.771	ug/l #	80
49) 1,4-Dioxane	9.387	88	4026	432.341	ug/l #	89
51) 4-Methyl-2-Pentanone	10.163	43	92288	101.557	ug/l	92
52) Toluene	10.334	92	92344	20.418	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	46279	20.274	ug/l	98
54) cis-1,3-Dichloropropene	10.022	75	54563	19.771	ug/l #	86
55) 1,1,2-Trichloroethane	10.734	97	25952	20.231	ug/l	91
56) Ethyl methacrylate	10.598	69	24146	21.353	ug/l #	88
57) 1,3-Dichloropropane	10.881	76	46955	21.236	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	60645	94.043	ug/l	93
59) 2-Hexanone	10.922	43	81343	107.893	ug/l	88
60) Dibromochloromethane	11.075	129	32815	21.247	ug/l	99
61) 1,2-Dibromoethane	11.181	107	24385	20.194	ug/l	95
64) Tetrachloroethene	10.810	164	30241	19.509	ug/l	95
65) Chlorobenzene	11.610	112	97411	18.420	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	35038	19.978	ug/l	94
67) Ethyl Benzene	11.687	91	170997	19.474	ug/l	97
68) m/p-Xylenes	11.792	106	128818	38.354	ug/l	88
69) o-Xylene	12.122	106	60466	19.534	ug/l	92
70) Styrene	12.139	104	91449	19.869	ug/l	95
71) Bromoform	12.298	173	19104	20.847	ug/l #	100
73) Isopropylbenzene	12.422	105	162119	20.165	ug/l	96
74) N-amyl acetate	12.234	43	31278	19.792	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	30096	21.470	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	17181m	18.649	ug/l	
77) Bromobenzene	12.704	156	38062	20.128	ug/l	88
78) n-propylbenzene	12.763	91	199159	20.330	ug/l	97
79) 2-Chlorotoluene	12.851	91	106657	20.316	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	134716	20.091	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	9321	20.499	ug/l	87
82) 4-Chlorotoluene	12.951	91	112192	20.442	ug/l	96
83) tert-Butylbenzene	13.169	119	116556	20.590	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	137217	20.460	ug/l	97
85) sec-Butylbenzene	13.345	105	170147	20.334	ug/l	97
86) p-Isopropyltoluene	13.463	119	147501	19.689	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	78088	20.193	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	78137	19.257	ug/l	98
89) n-Butylbenzene	13.786	91	142290	20.185	ug/l	98
90) Hexachloroethane	14.057	117	29754	21.596	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	67180	20.427	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4219	20.193	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	41575	18.507	ug/l	96
94) Hexachlorobutadiene	15.204	225	22353	18.452	ug/l	97
95) Naphthalene	15.333	128	73214	19.615	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	35561	19.201	ug/l	97

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

