

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077916.D
 Acq On : 15 Dec 2023 22:41
 Operator : RP/MD
 Sample : VD1215SBS02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1215SBS02

Quant Time: Dec 16 05:09:39 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	107055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	196581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	181779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	90473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	73999	58.660	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.320%			
35) Dibromofluoromethane	7.811	113	78589	57.073	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.140%			
50) Toluene-d8	10.269	98	303404	55.014	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.020%			
62) 4-Bromofluorobenzene	12.575	95	91150	55.281	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	25877	19.350	ug/l	99
3) Chloromethane	2.146	50	41856	22.962	ug/l	100
4) Vinyl Chloride	2.287	62	55298	22.346	ug/l	98
5) Bromomethane	2.693	94	38766	27.918	ug/l	99
6) Chloroethane	2.840	64	39240	23.259	ug/l	93
7) Trichlorofluoromethane	3.181	101	43583	19.123	ug/l	94
8) Diethyl Ether	3.599	74	13021	20.346	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.975	101	25174	19.308	ug/l	95
10) Methyl Iodide	4.164	142	25580	26.108	ug/l	92
11) Tert butyl alcohol	5.058	59	5856	89.145	ug/l #	85
12) 1,1-Dichloroethene	3.940	96	26703	20.751	ug/l	86
13) Acrolein	3.799	56	11957	89.604	ug/l	92
14) Allyl chloride	4.558	41	36099	20.397	ug/l #	86
15) Acrylonitrile	5.258	53	28719	104.811	ug/l	97
16) Acetone	4.022	43	32941	102.168	ug/l #	80
17) Carbon Disulfide	4.275	76	80365	18.459	ug/l	99
18) Methyl Acetate	4.570	43	20146	20.278	ug/l	95
19) Methyl tert-butyl Ether	5.317	73	56431	20.669	ug/l #	91
20) Methylene Chloride	4.805	84	39509	23.919	ug/l	89
21) trans-1,2-Dichloroethene	5.317	96	30538	20.952	ug/l #	80
22) Diisopropyl ether	6.216	45	76743	20.750	ug/l	89
23) Vinyl Acetate	6.158	43	180314	99.835	ug/l	96
24) 1,1-Dichloroethane	6.111	63	55109	22.003	ug/l	97
25) 2-Butanone	7.081	43	37968	100.513	ug/l	87
26) 2,2-Dichloropropane	7.069	77	41087	19.538	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	35796	22.824	ug/l	94
28) Bromochloromethane	7.428	49	20441	20.197	ug/l #	75
29) Tetrahydrofuran	7.446	42	19662	97.879	ug/l	90
30) Chloroform	7.599	83	56079	22.372	ug/l	94
31) Cyclohexane	7.881	56	42544	18.961	ug/l	91
32) 1,1,1-Trichloroethane	7.799	97	45533	20.605	ug/l	98
36) 1,1-Dichloropropene	8.011	75	39815	18.077	ug/l	92
37) Ethyl Acetate	7.175	43	15080	17.559	ug/l #	87
38) Carbon Tetrachloride	7.993	117	38352	17.466	ug/l	95
39) Methylcyclohexane	9.275	83	44390	17.000	ug/l	96
40) Benzene	8.252	78	122934	19.665	ug/l	100

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41) Methacrylonitrile	7.411	41	8373m	19.182	ug/l	
42) 1,2-Dichloroethane	8.328	62	32723	20.194	ug/l	97
43) Isopropyl Acetate	8.363	43	27769	18.189	ug/l #	85
44) Trichloroethene	9.028	130	30706	18.849	ug/l	100
45) 1,2-Dichloropropane	9.305	63	30721	20.215	ug/l	98
46) Dibromomethane	9.399	93	16717	20.790	ug/l	90
47) Bromodichloromethane	9.581	83	41933	20.575	ug/l #	95
48) Methyl methacrylate	9.381	41	15688	18.077	ug/l	84
49) 1,4-Dioxane	9.381	88	3060	383.253	ug/l #	85
51) 4-Methyl-2-Pentanone	10.157	43	71594	91.887	ug/l	91
52) Toluene	10.334	92	77649	20.024	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	38328	19.584	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	47128	19.916	ug/l #	86
55) 1,1,2-Trichloroethane	10.734	97	22604	20.552	ug/l	95
56) Ethyl methacrylate	10.599	69	17836	18.396	ug/l #	81
57) 1,3-Dichloropropane	10.875	76	39309	20.734	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	53221	96.255	ug/l	97
59) 2-Hexanone	10.922	43	55057	85.172	ug/l	87
60) Dibromochloromethane	11.075	129	27773	20.973	ug/l	99
61) 1,2-Dibromoethane	11.181	107	19820	19.144	ug/l	96
64) Tetrachloroethene	10.810	164	24884	18.625	ug/l	91
65) Chlorobenzene	11.610	112	80456	17.571	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	28909	19.125	ug/l	96
67) Ethyl Benzene	11.681	91	143394	18.947	ug/l	93
68) m/p-Xylenes	11.793	106	107153	37.016	ug/l	89
69) o-Xylene	12.116	106	50661	18.989	ug/l	93
70) Styrene	12.134	104	76559	19.299	ug/l	94
71) Bromoform	12.299	173	14785	18.719	ug/l #	98
73) Isopropylbenzene	12.422	105	131430	19.167	ug/l	97
74) N-amyl acetate	12.234	43	24273	18.008	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.669	83	25422	21.263	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	13578m	17.280	ug/l	
77) Bromobenzene	12.704	156	32071	19.884	ug/l	90
78) n-propylbenzene	12.763	91	162577	19.457	ug/l	96
79) 2-Chlorotoluene	12.846	91	89331	19.950	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	112109	19.603	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.463	75	7343	18.934	ug/l	89
82) 4-Chlorotoluene	12.946	91	92469	19.753	ug/l	97
83) tert-Butylbenzene	13.169	119	93576	19.381	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	111747	19.536	ug/l	95
85) sec-Butylbenzene	13.346	105	135070	18.926	ug/l	97
86) p-Isopropyltoluene	13.463	119	120033	18.785	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	62722	19.016	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	64697	18.645	ug/l	97
89) n-Butylbenzene	13.787	91	112771	18.756	ug/l	97
90) Hexachloroethane	14.051	117	24519	20.865	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	55652	19.839	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3677	20.655	ug/l	81
93) 1,2,4-Trichlorobenzene	15.098	180	33210	17.332	ug/l	96
94) Hexachlorobutadiene	15.204	225	17604	17.038	ug/l	97
95) Naphthalene	15.328	128	60345	18.955	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	28525	18.058	ug/l	98

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

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