

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077965.D
 Acq On : 19 Dec 2023 10:58
 Operator : RP/MD
 Sample : VD1219SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

Quant Time: Dec 20 01:59:35 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 12/20/2023
 Supervised By :Semsettin Yesilyurt 12/20/2023

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	131498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	220495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	203782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	108848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	81176	52.388	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.780%			
35) Dibromofluoromethane	7.811	113	87232	56.479	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.960%			
50) Toluene-d8	10.269	98	345520	55.856	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.720%			
62) 4-Bromofluorobenzene	12.575	95	102148	55.232	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	31016	18.882	ug/l	97
3) Chloromethane	2.152	50	42026	18.770	ug/l	99
4) Vinyl Chloride	2.293	62	61225	20.143	ug/l	94
5) Bromomethane	2.693	94	44799	26.266	ug/l	99
6) Chloroethane	2.846	64	45130	21.778	ug/l	96
7) Trichlorofluoromethane	3.175	101	58508	20.900	ug/l	86
8) Diethyl Ether	3.605	74	15578	19.817	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.975	101	35150	21.948	ug/l	96
10) Methyl Iodide	4.175	142	25745	22.610	ug/l	94
11) Tert butyl alcohol	5.052	59	7698	96.232	ug/l	96
12) 1,1-Dichloroethene	3.946	96	30193	19.102	ug/l #	74
13) Acrolein	3.799	56	9921	60.527	ug/l	98
14) Allyl chloride	4.570	41	37916	17.441	ug/l	90
15) Acrylonitrile	5.264	53	31513	93.630	ug/l	93
16) Acetone	4.022	43	47122	124.928	ug/l	91
17) Carbon Disulfide	4.281	76	86025	16.087	ug/l	100
18) Methyl Acetate	4.570	43	22986	18.836	ug/l	89
19) Methyl tert-butyl Ether	5.322	73	65427	19.510	ug/l	98
20) Methylene Chloride	4.811	84	41500	19.678	ug/l #	84
21) trans-1,2-Dichloroethene	5.317	96	36305	20.278	ug/l	95
22) Diisopropyl ether	6.222	45	85998	18.930	ug/l	94
23) Vinyl Acetate	6.164	43	201377	90.772	ug/l #	89
24) 1,1-Dichloroethane	6.116	63	62642	20.362	ug/l	99
25) 2-Butanone	7.087	43	50568	110.332	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	52507	20.328	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	39322	20.412	ug/l	89
28) Bromochloromethane	7.428	49	22721	18.277	ug/l #	76
29) Tetrahydrofuran	7.446	42	21611	87.584	ug/l	87
30) Chloroform	7.599	83	64573	20.972	ug/l	99
31) Cyclohexane	7.881	56	48104	17.454	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	55907	20.597	ug/l	98
36) 1,1-Dichloropropene	8.011	75	48476	19.622	ug/l	96
37) Ethyl Acetate	7.169	43	15046	15.619	ug/l	99
38) Carbon Tetrachloride	7.999	117	49936	20.275	ug/l	98
39) Methylcyclohexane	9.275	83	56264	19.211	ug/l	91
40) Benzene	8.258	78	138346	19.730	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	8661	17.690	ug/l #	91
42) 1,2-Dichloroethane	8.334	62	36861	20.281	ug/l	94
43) Isopropyl Acetate	8.358	43	32165	18.784	ug/l #	92
44) Trichloroethene	9.034	130	38689	21.173	ug/l	96
45) 1,2-Dichloropropane	9.310	63	35165	20.630	ug/l	96
46) Dibromomethane	9.393	93	18970	21.033	ug/l	94
47) Bromodichloromethane	9.587	83	49065	21.463	ug/l	97
48) Methyl methacrylate	9.381	41	18305	18.805	ug/l #	79
49) 1,4-Dioxane	9.393	88	3595	401.426	ug/l #	85
51) 4-Methyl-2-Pentanone	10.157	43	80414	92.013	ug/l	93
52) Toluene	10.340	92	90212	20.741	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	45124	20.555	ug/l	100
54) cis-1,3-Dichloropropene	10.022	75	54051	20.365	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	26156	21.202	ug/l	91
56) Ethyl methacrylate	10.604	69	21259	19.548	ug/l #	89
57) 1,3-Dichloropropane	10.881	76	43970	20.677	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	40814	65.810	ug/l	95
59) 2-Hexanone	10.922	43	71817	99.050	ug/l	90
60) Dibromochloromethane	11.075	129	32525	21.898	ug/l	94
61) 1,2-Dibromoethane	11.181	107	23927	20.604	ug/l	96
64) Tetrachloroethene	10.810	164	29306	19.566	ug/l	91
65) Chlorobenzene	11.610	112	96327	18.897	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	34260	20.217	ug/l	96
67) Ethyl Benzene	11.687	91	167378	19.729	ug/l	100
68) m/p-Xylenes	11.793	106	131428	40.499	ug/l	92
69) o-Xylene	12.122	106	58624	19.601	ug/l	89
70) Styrene	12.140	104	90929	20.446	ug/l	95
71) Bromoform	12.299	173	18309	20.678	ug/l #	99
73) Isopropylbenzene	12.422	105	165629	20.077	ug/l	96
74) N-amyl acetate	12.234	43	27797	17.141	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	28687	19.943	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	17603m	18.621	ug/l	
77) Bromobenzene	12.704	156	37886	19.524	ug/l	91
78) n-propylbenzene	12.763	91	204801	20.373	ug/l	95
79) 2-Chlorotoluene	12.851	91	107909	20.030	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	135076	19.632	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	9009	19.308	ug/l	92
82) 4-Chlorotoluene	12.951	91	113857	20.216	ug/l	95
83) tert-Butylbenzene	13.169	119	118342	20.373	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	139752	20.307	ug/l	97
85) sec-Butylbenzene	13.346	105	175697	20.462	ug/l	97
86) p-Isopropyltoluene	13.463	119	155124	20.179	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	79701	20.085	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	79877	19.178	ug/l	96
89) n-Butylbenzene	13.793	91	148126	20.477	ug/l	98
90) Hexachloroethane	14.057	117	31758	22.463	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	68056	20.166	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.457	75	4155	19.339	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	44187	19.168	ug/l	95
94) Hexachlorobutadiene	15.210	225	25212	20.282	ug/l	98
95) Naphthalene	15.334	128	73386	19.160	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	38014	20.003	ug/l	95

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

