

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092823\
 Data File : VD077231.D
 Acq On : 28 Sep 2023 14:30
 Operator : JC/SY
 Sample : VD0928SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/29/2023
 Supervised By : Mahesh Dadoda 09/29/2023

Quant Time: Sep 29 02:18:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	234922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	395828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	371815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	191017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	106939	45.106	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.220%		
35) Dibromofluoromethane	7.804	113	125530	45.657	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.320%		
50) Toluene-d8	10.269	98	449562	45.938	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.880%		
62) 4-Bromofluorobenzene	12.575	95	136013	44.842	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.680%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	58546	24.116	ug/l	99
3) Chloromethane	2.146	50	96050	21.403	ug/l	99
4) Vinyl Chloride	2.281	62	97917	20.397	ug/l	100
5) Bromomethane	2.687	94	64151	18.348	ug/l	100
6) Chloroethane	2.834	64	67845	22.713	ug/l	100
7) Trichlorofluoromethane	3.169	101	105443	24.301	ug/l	96
8) Diethyl Ether	3.593	74	29347	20.956	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.963	101	61862	22.804	ug/l	98
10) Methyl Iodide	4.158	142	66565	17.168	ug/l #	87
11) Tert butyl alcohol	5.052	59	15720	116.293	ug/l #	85
12) 1,1-Dichloroethene	3.934	96	58741	21.494	ug/l	91
13) Acrolein	3.799	56	13797	140.118	ug/l	99
14) Allyl chloride	4.563	41	73401	22.015	ug/l	94
15) Acrylonitrile	5.252	53	63511	108.154	ug/l	99
16) Acetone	4.016	43	60979	112.535	ug/l #	77
17) Carbon Disulfide	4.269	76	188510	20.954	ug/l	99
18) Methyl Acetate	4.563	43	44965	21.945	ug/l	93
19) Methyl tert-butyl Ether	5.310	73	121697	20.580	ug/l	95
20) Methylene Chloride	4.799	84	113042	29.692	ug/l	92
21) trans-1,2-Dichloroethene	5.305	96	68822	20.833	ug/l	99
22) Diisopropyl ether	6.204	45	165583	21.965	ug/l	92
23) Vinyl Acetate	6.152	43	387710	128.648	ug/l	94
24) 1,1-Dichloroethane	6.104	63	114713	21.202	ug/l	99
25) 2-Butanone	7.081	43	82265	115.398	ug/l #	81
26) 2,2-Dichloropropane	7.075	77	100716	21.930	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	74560	20.077	ug/l	93
28) Bromochloromethane	7.422	49	31103	18.721	ug/l	80
29) Tetrahydrofuran	7.446	42	45815	109.936	ug/l	87
30) Chloroform	7.593	83	122205	20.957	ug/l	98
31) Cyclohexane	7.875	56	92740	22.359	ug/l	92
32) 1,1,1-Trichloroethane	7.793	97	109089	22.413	ug/l	95
36) 1,1-Dichloropropene	8.004	75	91829	22.178	ug/l	96
37) Ethyl Acetate	7.163	43	33264	20.939	ug/l	95
38) Carbon Tetrachloride	7.987	117	88848	21.832	ug/l	96
39) Methylcyclohexane	9.269	83	101489	21.303	ug/l	93
40) Benzene	8.246	78	273578	21.356	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	17061	20.121	ug/l	96
42) 1,2-Dichloroethane	8.328	62	67312	21.193	ug/l	97
43) Isopropyl Acetate	8.357	43	64843	22.169	ug/l	92
44) Trichloroethene	9.022	130	70974	20.017	ug/l	99
45) 1,2-Dichloropropane	9.304	63	66369	21.330	ug/l	96
46) Dibromomethane	9.398	93	38438	21.259	ug/l	93
47) Bromodichloromethane	9.587	83	91633	20.972	ug/l #	94
48) Methyl methacrylate	9.381	41	28815	21.681	ug/l #	79
49) 1,4-Dioxane	9.387	88	6769	414.743	ug/l #	87
51) 4-Methyl-2-Pentanone	10.157	43	163935	107.168	ug/l	92
52) Toluene	10.334	92	168799	20.597	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	85295	20.895	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	99603	20.366	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	51476	20.932	ug/l	98
56) Ethyl methacrylate	10.598	69	54283	20.546	ug/l #	88
57) 1,3-Dichloropropane	10.881	76	84083	21.120	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	69317	72.646	ug/l	100
59) 2-Hexanone	10.922	43	121603	110.794	ug/l	88
60) Dibromochloromethane	11.075	129	60820	20.192	ug/l	96
61) 1,2-Dibromoethane	11.175	107	48986	20.604	ug/l	99
64) Tetrachloroethene	10.810	164	59551	20.585	ug/l	92
65) Chlorobenzene	11.604	112	181327	20.731	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	62602	19.563	ug/l	98
67) Ethyl Benzene	11.681	91	311839	20.742	ug/l	98
68) m/p-Xylenes	11.792	106	251050	41.705	ug/l	92
69) o-Xylene	12.122	106	110498	19.999	ug/l	91
70) Styrene	12.134	104	197548	20.986	ug/l	97
71) Bromoform	12.298	173	35706	20.130	ug/l #	98
73) Isopropylbenzene	12.422	105	294626	20.874	ug/l	95
74) N-amyl acetate	12.234	43	55628	20.981	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	57897	21.737	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	29983m	19.678	ug/l	
77) Bromobenzene	12.698	156	71216	20.264	ug/l	92
78) n-propylbenzene	12.763	91	366449	21.241	ug/l	96
79) 2-Chlorotoluene	12.851	91	202013	21.234	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	245740	20.847	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	17537	21.785	ug/l	98
82) 4-Chlorotoluene	12.945	91	215174	21.520	ug/l	93
83) tert-Butylbenzene	13.169	119	205349	20.391	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	245371	20.529	ug/l	96
85) sec-Butylbenzene	13.345	105	320227	21.190	ug/l	96
86) p-Isopropyltoluene	13.463	119	261591	20.405	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	147137	20.357	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	144248	20.284	ug/l	96
89) n-Butylbenzene	13.786	91	247322	20.913	ug/l	98
90) Hexachloroethane	14.051	117	53462	21.028	ug/l	91
91) 1,2-Dichlorobenzene	13.833	146	125405	20.236	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7996	22.482	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	75647	19.786	ug/l	98
94) Hexachlorobutadiene	15.204	225	39901	19.694	ug/l	98
95) Naphthalene	15.333	128	136830	19.517	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	67409	19.836	ug/l	99

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

