

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082923\
 Data File : VD077058.D
 Acq On : 29 Aug 2023 13:28
 Operator : JC/SY
 Sample : VD0829SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0829SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2023
 Supervised By :Mahesh Dadoda 09/01/2023

Quant Time: Aug 29 20:59:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 29 02:15:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	205800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	349767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	338472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	168526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	114135	56.329	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.660%			
35) Dibromofluoromethane	7.799	113	130201	55.721	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.440%			
50) Toluene-d8	10.269	98	488637	57.803	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 115.600%			
62) 4-Bromofluorobenzene	12.575	95	144259	57.881	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 115.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	34833	17.689	ug/l	89
3) Chloromethane	2.146	50	65165	17.446	ug/l	96
4) Vinyl Chloride	2.275	62	76403	18.163	ug/l	94
5) Bromomethane	2.675	94	65083	18.090	ug/l	98
6) Chloroethane	2.822	64	55712	19.501	ug/l	98
7) Trichlorofluoromethane	3.164	101	67024	17.610	ug/l	99
8) Diethyl Ether	3.587	74	19630	18.839	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.958	101	41199	18.538	ug/l	99
10) Methyl Iodide	4.158	142	53533	18.895	ug/l	91
11) Tert butyl alcohol	5.046	59	12110	99.611	ug/l #	89
12) 1,1-Dichloroethene	3.928	96	37740	17.118	ug/l	94
13) Acrolein	3.793	56	19985	88.217	ug/l	99
14) Allyl chloride	4.552	41	43751	17.988	ug/l	96
15) Acrylonitrile	5.252	53	43543	94.430	ug/l	97
16) Acetone	4.016	43	43572	94.342	ug/l #	85
17) Carbon Disulfide	4.263	76	121923	18.121	ug/l	98
18) Methyl Acetate	4.563	43	28064	17.959	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	85316	17.842	ug/l	99
20) Methylene Chloride	4.799	84	86662	28.190	ug/l	97
21) trans-1,2-Dichloroethene	5.310	96	47174	18.165	ug/l	94
22) Diisopropyl ether	6.216	45	102411	18.797	ug/l #	94
23) Vinyl Acetate	6.152	43	259317	95.016	ug/l	99
24) 1,1-Dichloroethane	6.105	63	76780	18.772	ug/l	97
25) 2-Butanone	7.081	43	53851	93.057	ug/l	88
26) 2,2-Dichloropropane	7.069	77	65612	18.024	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	54672	18.739	ug/l	98
28) Bromochloromethane	7.422	49	34044	23.301	ug/l	90
29) Tetrahydrofuran	7.440	42	30874	96.053	ug/l	92
30) Chloroform	7.593	83	86658	18.912	ug/l	100
31) Cyclohexane	7.875	56	57574	17.785	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	74942	18.844	ug/l	96
36) 1,1-Dichloropropene	8.004	75	61364	18.435	ug/l	98
37) Ethyl Acetate	7.163	43	24390	20.316	ug/l #	91
38) Carbon Tetrachloride	7.993	117	59059	17.548	ug/l	95
39) Methylcyclohexane	9.269	83	68232	17.633	ug/l	99
40) Benzene	8.246	78	185481	18.556	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	12487	18.862	ug/l #	87
42) 1,2-Dichloroethane	8.322	62	49442	19.140	ug/l	98
43) Isopropyl Acetate	8.357	43	40974	17.963	ug/l	96
44) Trichloroethene	9.028	130	49802	17.484	ug/l	98
45) 1,2-Dichloropropane	9.304	63	44817	18.952	ug/l	90
46) Dibromomethane	9.393	93	27292	18.128	ug/l	97
47) Bromodichloromethane	9.581	83	64497	18.351	ug/l	93
48) Methyl methacrylate	9.381	41	18115	17.718	ug/l	90
49) 1,4-Dioxane	9.387	88	5471	339.211	ug/l	92
51) 4-Methyl-2-Pentanone	10.157	43	111296	94.846	ug/l	92
52) Toluene	10.334	92	119020	18.476	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	57175	17.590	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	70859	18.330	ug/l #	89
55) 1,1,2-Trichloroethane	10.728	97	38439	19.235	ug/l	96
56) Ethyl methacrylate	10.598	69	38474	18.255	ug/l #	89
57) 1,3-Dichloropropane	10.881	76	61391	19.328	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	68122	163.134	ug/l	98
59) 2-Hexanone	10.922	43	79334	94.189	ug/l	88
60) Dibromochloromethane	11.075	129	47829	19.335	ug/l	99
61) 1,2-Dibromoethane	11.181	107	35478	18.545	ug/l	96
64) Tetrachloroethene	10.816	164	42452	17.416	ug/l	97
65) Chlorobenzene	11.604	112	131846	17.965	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	48945	17.846	ug/l	98
67) Ethyl Benzene	11.681	91	216755	17.209	ug/l	99
68) m/p-Xylenes	11.792	106	176838	35.071	ug/l	93
69) o-Xylene	12.122	106	80713	17.512	ug/l	93
70) Styrene	12.134	104	146396	18.284	ug/l	99
71) Bromoform	12.298	173	27966	18.312	ug/l #	97
73) Isopropylbenzene	12.422	105	206138	17.528	ug/l	98
74) N-amyl acetate	12.234	43	37535	18.122	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	41730	18.149	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	28022m	17.239	ug/l	
77) Bromobenzene	12.698	156	53133	17.917	ug/l	93
78) n-propylbenzene	12.763	91	257132	17.891	ug/l	97
79) 2-Chlorotoluene	12.851	91	142013	18.073	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	175085	17.832	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.463	75	12573	17.959	ug/l	98
82) 4-Chlorotoluene	12.945	91	150022	18.049	ug/l	99
83) tert-Butylbenzene	13.163	119	148902	17.540	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	177899	18.065	ug/l	98
85) sec-Butylbenzene	13.345	105	228352	17.815	ug/l	97
86) p-Isopropyltoluene	13.457	119	190809	17.457	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	107276	17.455	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	111119	18.638	ug/l	98
89) n-Butylbenzene	13.786	91	176154	17.548	ug/l	98
90) Hexachloroethane	14.051	117	40101	18.921	ug/l	89
91) 1,2-Dichlorobenzene	13.834	146	99127	18.925	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	6290	19.645	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	56353	17.495	ug/l	100
94) Hexachlorobutadiene	15.204	225	29979	17.751	ug/l	96
95) Naphthalene	15.333	128	104910	17.560	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	50145	17.378	ug/l	96

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

