

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067206.D
 Acq On : 09 Oct 2020 12:44
 Operator : VA/SY
 Sample : VD1009SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Manual Integrations
 APPROVED

apatel
 10/12/2020 10:42:27 AM

Quant Time: Oct 10 00:27:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	349766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	530008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	492260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	165996	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	7.91	113	176238	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.34	98	641200	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.64	95	230618	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	75186	24.138	ug/l	98
3) Chloromethane	2.21	50	52239	18.754	ug/l	89
4) Vinyl Chloride	2.35	62	53398	19.119	ug/l	97
5) Bromomethane	2.76	94	40301	19.767	ug/l	95
6) Chloroethane	2.92	64	32133	18.892	ug/l	100
7) Trichlorofluoromethane	3.27	101	133605	21.531	ug/l	100
8) Diethyl Ether	3.71	74	29164	18.953	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	70664	20.147	ug/l	97
10) Methyl Iodide	4.30	142	59401	17.430	ug/l	96
11) Tert butyl alcohol	5.22	59	26280	104.903	ug/l #	88
12) 1,1-Dichloroethene	4.07	96	63390	19.226	ug/l	92
13) Acrolein	3.92	56	15677	69.496	ug/l	99
14) Allyl chloride	4.71	41	70394	16.435	ug/l	88
15) Acrylonitrile	5.41	53	49675	87.712	ug/l	96
16) Acetone	4.16	43	49789	96.815	ug/l	100
17) Carbon Disulfide	4.41	76	181816	17.968	ug/l	99
18) Methyl Acetate	4.72	43	22431	17.354	ug/l #	89
19) Methyl tert-butyl Ether	5.47	73	119055	19.780	ug/l	99
20) Methylene Chloride	4.96	84	81957	17.768	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	73426	19.568	ug/l	94
22) Diisopropyl ether	6.36	45	141878	18.144	ug/l	97
23) Vinyl Acetate	6.30	43	378344	85.382	ug/l	98
24) 1,1-Dichloroethane	6.26	63	112874	18.704	ug/l	98
25) 2-Butanone	7.21	43	60745	83.313	ug/l	96
26) 2,2-Dichloropropane	7.21	77	116259	20.059	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	78114	19.492	ug/l	99
28) Bromochloromethane	7.54	49	37681	16.168	ug/l	87
29) Tetrahydrofuran	7.57	42	32724	78.056	ug/l	89
30) Chloroform	7.71	83	135340	20.673	ug/l	96
31) Cyclohexane	7.98	56	88855	17.562	ug/l #	88
32) 1,1,1-Trichloroethane	7.90	97	132753	21.881	ug/l	96
36) 1,1-Dichloropropene	8.11	75	97981	19.833	ug/l	95
37) Ethyl Acetate	7.29	43	31633	18.483	ug/l	98
38) Carbon Tetrachloride	8.10	117	122482	22.914	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	102808	19.683	ug/l	95
40) Benzene	8.35	78	270139	19.687	ug/l	97
41) Methacrylonitrile	7.52	41	15298	16.546	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	80804	21.074	ug/l	96
43) Isopropyl Acetate	8.46	43	55521	17.610	ug/l	94
44) Trichloroethene	9.11	130	88148	21.513	ug/l	98
45) 1,2-Dichloropropane	9.39	63	61652	19.122	ug/l	98
46) Dibromomethane	9.48	93	36201	19.536	ug/l	90
47) Bromodichloromethane	9.66	83	101748	21.123	ug/l	94
48) Methyl methacrylate	9.46	41	27158	16.814	ug/l #	77
49) 1,4-Dioxane	9.47	88	7408	383.039	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	140444	89.431	ug/l	99
52) Toluene	10.40	92	191745	21.692	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	89571	20.806	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	104139	19.810	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	54297	21.075	ug/l	93
56) Ethyl methacrylate	10.65	69	54227	20.387	ug/l	93
57) 1,3-Dichloropropane	10.95	76	84008	20.108	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	133813	90.387	ug/l	94
59) 2-Hexanone	10.98	43	95098	90.728	ug/l	97
60) Dibromochloromethane	11.14	129	74780	21.778	ug/l	96
61) 1,2-Dibromoethane	11.25	107	51498	20.806	ug/l	97
64) Tetrachloroethene	10.88	164	78024	21.802	ug/l	88
65) Chlorobenzene	11.67	112	207089	21.152	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	83060	22.303	ug/l	95
67) Ethyl Benzene	11.75	91	359701	21.443	ug/l	99
68) m/p-Xylenes	11.85	106	278148	42.547	ug/l	96
69) o-Xylene	12.18	106	123759	21.170	ug/l	92
70) Styrene	12.20	104	220612	21.976	ug/l	98
71) Bromoform	12.36	173	43638	22.574	ug/l #	93
73) Isopropylbenzene	12.48	105	352264	20.738	ug/l	99
74) N-amyl acetate	12.29	43	51140	16.748	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.73	83	49919	17.442	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	37756m	17.327	ug/l	
77) Bromobenzene	12.77	156	87913	21.434	ug/l	90
78) n-propylbenzene	12.83	91	417751	20.810	ug/l	98
79) 2-Chlorotoluene	12.91	91	234660	20.431	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	306667	21.369	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	15781	18.056	ug/l	97
82) 4-Chlorotoluene	13.01	91	253706	20.761	ug/l	98
83) tert-Butylbenzene	13.23	119	256413	21.217	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	305165	21.307	ug/l	100
85) sec-Butylbenzene	13.41	105	354968	20.857	ug/l	100
86) p-Isopropyltoluene	13.52	119	332398	21.066	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	166040	20.783	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	163894	20.517	ug/l	99
89) n-Butylbenzene	13.85	91	296717	20.576	ug/l	98
90) Hexachloroethane	14.12	117	58467	21.154	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	143364	20.548	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8321	18.037	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	96286	21.335	ug/l	99
94) Hexachlorobutadiene	15.28	225	60615	21.870	ug/l	99
95) Naphthalene	15.41	128	148525	19.731	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	82675	21.103	ug/l	97

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

