

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067293.D
 Acq On : 16 Oct 2020 12:23
 Operator : VA/SY
 Sample : VD1016SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 11:09:29 AM

Quant Time: Oct 17 00:54:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	330374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	491418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	454581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234716	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	157827	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
35) Dibromofluoromethane	7.92	113	161170	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.34	98	589547	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.64	95	206136	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59826	19.930	ug/l	97
3) Chloromethane	2.21	50	41573	19.995	ug/l	92
4) Vinyl Chloride	2.34	62	42897	18.803	ug/l	92
5) Bromomethane	2.76	94	33462	19.652	ug/l	84
6) Chloroethane	2.91	64	29180	20.538	ug/l	97
7) Trichlorofluoromethane	3.27	101	116114	20.213	ug/l	98
8) Diethyl Ether	3.71	74	26873	20.443	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	61873	20.272	ug/l	99
10) Methyl Iodide	4.30	142	51820	18.406	ug/l #	96
11) Tert butyl alcohol	5.19	59	27579m	140.250	ug/l	
12) 1,1-Dichloroethene	4.06	96	53717	19.701	ug/l	99
13) Acrolein	3.93	56	11707	75.717	ug/l	92
14) Allyl chloride	4.71	41	59666	19.108	ug/l	97
15) Acrylonitrile	5.43	53	46249	105.443	ug/l #	88
16) Acetone	4.16	43	49351	106.464	ug/l	94
17) Carbon Disulfide	4.40	76	150349	19.342	ug/l	98
18) Methyl Acetate	4.72	43	22305	21.096	ug/l	89
19) Methyl tert-butyl Ether	5.48	73	109477	20.193	ug/l	96
20) Methylene Chloride	4.96	84	64220	18.830	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	64081	20.423	ug/l	92
22) Diisopropyl ether	6.37	45	120762	21.171	ug/l	97
23) Vinyl Acetate	6.30	43	342548	105.556	ug/l	100
24) 1,1-Dichloroethane	6.27	63	98240	20.120	ug/l	99
25) 2-Butanone	7.21	43	55570	105.168	ug/l	93
26) 2,2-Dichloropropane	7.21	77	103188	20.503	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	69251	20.138	ug/l	96
28) Bromochloromethane	7.55	49	33628	20.192	ug/l #	99
29) Tetrahydrofuran	7.56	42	31795	108.248	ug/l	97
30) Chloroform	7.71	83	118483	20.313	ug/l	93
31) Cyclohexane	7.98	56	73515	19.284	ug/l #	88
32) 1,1,1-Trichloroethane	7.91	97	114952	20.086	ug/l	97
36) 1,1-Dichloropropene	8.11	75	84611	20.314	ug/l	99
37) Ethyl Acetate	7.30	43	28133	22.957	ug/l	97
38) Carbon Tetrachloride	8.10	117	110200	20.701	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	86519	19.870	ug/l	93
40) Benzene	8.36	78	236107	20.663	ug/l	94
41) Methacrylonitrile	7.52	41	13214m	19.954	ug/l	
42) 1,2-Dichloroethane	8.43	62	75099	21.001	ug/l	100
43) Isopropyl Acetate	8.45	43	51942	21.361	ug/l	99
44) Trichloroethene	9.11	130	73958	20.216	ug/l	95
45) 1,2-Dichloropropane	9.39	63	54760	20.678	ug/l	97
46) Dibromomethane	9.48	93	34131	20.686	ug/l	97
47) Bromodichloromethane	9.66	83	92001	20.812	ug/l	98
48) Methyl methacrylate	9.46	41	24625	20.839	ug/l	94
49) 1,4-Dioxane	9.47	88	7830	474.423	ug/l #	70
51) 4-Methyl-2-Pentanone	10.23	43	129874	107.085	ug/l	99
52) Toluene	10.40	92	163682	21.032	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	79614	20.502	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	95382	20.988	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	48334	21.482	ug/l	98
56) Ethyl methacrylate	10.67	69	50667	21.714	ug/l	98
57) 1,3-Dichloropropane	10.95	76	79125	22.098	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	126025	105.280	ug/l	98
59) 2-Hexanone	10.98	43	90725	109.472	ug/l	99
60) Dibromochloromethane	11.14	129	69269	21.111	ug/l	99
61) 1,2-Dibromoethane	11.25	107	47001	21.190	ug/l	99
64) Tetrachloroethene	10.88	164	67884	20.611	ug/l	95
65) Chlorobenzene	11.67	112	184486	21.164	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	74230	21.426	ug/l	99
67) Ethyl Benzene	11.75	91	310326	20.768	ug/l	99
68) m/p-Xylenes	11.86	106	242433	42.131	ug/l	99
69) o-Xylene	12.18	106	110638	20.764	ug/l	95
70) Styrene	12.20	104	197021	21.479	ug/l	99
71) Bromoform	12.36	173	40014	21.499	ug/l #	97
73) Isopropylbenzene	12.48	105	308428	20.705	ug/l	99
74) N-amyl acetate	12.29	43	47083	20.927	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	47698	20.897	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	36704m	22.562	ug/l	
77) Bromobenzene	12.77	156	76400	20.571	ug/l	96
78) n-propylbenzene	12.83	91	363656	21.070	ug/l	100
79) 2-Chlorotoluene	12.91	91	206086	20.590	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	268345	20.729	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15842	22.083	ug/l	94
82) 4-Chlorotoluene	13.01	91	225944	21.269	ug/l	98
83) tert-Butylbenzene	13.23	119	226532	20.716	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	267142	20.879	ug/l	98
85) sec-Butylbenzene	13.41	105	303594	20.234	ug/l	100
86) p-Isopropyltoluene	13.52	119	288714	20.386	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	150571	21.064	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	148847	21.017	ug/l	100
89) n-Butylbenzene	13.85	91	256219	20.565	ug/l	99
90) Hexachloroethane	14.12	117	48937	19.802	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	131503	21.058	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8693	20.964	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	87274	20.728	ug/l	99
94) Hexachlorobutadiene	15.27	225	52224	19.974	ug/l	96
95) Naphthalene	15.41	128	139997	20.252	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	74020	20.350	ug/l	98

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

