

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067228.D
 Acq On : 12 Oct 2020 12:35
 Operator : VA/SY
 Sample : VD1012SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/13/2020 1:52:22 PM

Quant Time: Oct 13 00:30:35 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	368812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	545201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	174187	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	7.91	113	186599	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.34	98	672605	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.64	95	244026	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77583	23.503	ug/l	93
3) Chloromethane	2.20	50	53264	18.135	ug/l	95
4) Vinyl Chloride	2.35	62	55361	18.798	ug/l	100
5) Bromomethane	2.75	94	39914	18.278	ug/l	85
6) Chloroethane	2.92	64	33250	18.539	ug/l #	84
7) Trichlorofluoromethane	3.27	101	138876	21.224	ug/l	99
8) Diethyl Ether	3.70	74	32868	20.257	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	79467	21.487	ug/l	97
10) Methyl Iodide	4.30	142	63584	17.694	ug/l	94
11) Tert butyl alcohol	5.21	59	30137	119.366	ug/l	95
12) 1,1-Dichloroethene	4.07	96	68143	19.600	ug/l	96
13) Acrolein	3.92	56	16415	69.009	ug/l	96
14) Allyl chloride	4.71	41	79685	17.643	ug/l	94
15) Acrylonitrile	5.42	53	57205	95.792	ug/l	96
16) Acetone	4.16	43	58563	107.995	ug/l	96
17) Carbon Disulfide	4.40	76	195506	18.323	ug/l	99
18) Methyl Acetate	4.71	43	24889	18.262	ug/l #	82
19) Methyl tert-butyl Ether	5.47	73	134291	21.159	ug/l	94
20) Methylene Chloride	4.97	84	79767	15.745	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	78062	19.729	ug/l	94
22) Diisopropyl ether	6.36	45	151689	18.396	ug/l	97
23) Vinyl Acetate	6.31	43	430252	92.082	ug/l	98
24) 1,1-Dichloroethane	6.27	63	121713	19.127	ug/l	97
25) 2-Butanone	7.21	43	68999	89.747	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	121896	19.920	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	84798	20.067	ug/l	100
28) Bromochloromethane	7.54	49	41391	16.843	ug/l	87
29) Tetrahydrofuran	7.56	42	39238	88.761	ug/l #	86
30) Chloroform	7.71	83	142530	20.647	ug/l	98
31) Cyclohexane	7.98	56	96878	18.159	ug/l #	87
32) 1,1,1-Trichloroethane	7.91	97	138037	21.577	ug/l	97
36) 1,1-Dichloropropene	8.11	75	106475	20.952	ug/l	99
37) Ethyl Acetate	7.29	43	35216	20.003	ug/l #	94
38) Carbon Tetrachloride	8.09	117	129886	23.622	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	112001	20.846	ug/l	97
40) Benzene	8.35	78	296540	21.009	ug/l	97
41) Methacrylonitrile	7.53	41	20482m	21.535	ug/l	
42) 1,2-Dichloroethane	8.43	62	86295	21.879	ug/l	100
43) Isopropyl Acetate	8.45	43	62972	19.416	ug/l	96
44) Trichloroethene	9.11	130	89489	21.231	ug/l	99
45) 1,2-Dichloropropane	9.39	63	68112	20.537	ug/l	95
46) Dibromomethane	9.48	93	41103	21.563	ug/l	96
47) Bromodichloromethane	9.66	83	108938	21.985	ug/l	98
48) Methyl methacrylate	9.46	41	32122	19.333	ug/l #	79
49) 1,4-Dioxane	9.47	88	8572	430.874	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	159094	98.483	ug/l	96
52) Toluene	10.41	92	201250	22.133	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	97765	22.077	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	115595	21.376	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	58048	21.904	ug/l	92
56) Ethyl methacrylate	10.66	69	59004	21.565	ug/l	97
57) 1,3-Dichloropropane	10.95	76	90941	21.161	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	158917	104.352	ug/l	97
59) 2-Hexanone	10.98	43	109369	101.435	ug/l	96
60) Dibromochloromethane	11.14	129	81690	23.127	ug/l	99
61) 1,2-Dibromoethane	11.25	107	56130	22.046	ug/l	96
64) Tetrachloroethene	10.88	164	80523	21.869	ug/l	91
65) Chlorobenzene	11.67	112	215316	21.375	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	83338	21.750	ug/l	97
67) Ethyl Benzene	11.75	91	379759	22.003	ug/l	97
68) m/p-Xylenes	11.86	106	297806	44.275	ug/l	99
69) o-Xylene	12.18	106	132612	22.047	ug/l	92
70) Styrene	12.20	104	234691	22.723	ug/l	98
71) Bromoform	12.36	173	46497	23.377	ug/l #	98
73) Isopropylbenzene	12.48	105	377926	21.661	ug/l	100
74) N-amyl acetate	12.29	43	57983	18.487	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	57289	19.489	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	43624m	19.492	ug/l	
77) Bromobenzene	12.77	156	92282	21.905	ug/l	92
78) n-propylbenzene	12.83	91	442299	21.451	ug/l	99
79) 2-Chlorotoluene	12.91	91	251355	21.306	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	320636	21.752	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18103	20.166	ug/l	96
82) 4-Chlorotoluene	13.01	91	266956	21.269	ug/l	99
83) tert-Butylbenzene	13.23	119	278460	22.433	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	325869	22.152	ug/l	98
85) sec-Butylbenzene	13.41	105	378502	21.653	ug/l	99
86) p-Isopropyltoluene	13.52	119	352758	21.766	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	176693	21.533	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	174587	21.278	ug/l	99
89) n-Butylbenzene	13.85	91	313470	21.164	ug/l	99
90) Hexachloroethane	14.12	117	60319	21.248	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	155611	21.714	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9345	19.721	ug/l	88

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	103055	22.232	ug/l	97
94) Hexachlorobutadiene	15.28	225	62980	22.123	ug/l	97
95) Naphthalene	15.41	128	173564	22.448	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	90675	22.534	ug/l	97

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

