

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066334.D
 Acq On : 20 Aug 2020 00:31
 Operator : VA/SY
 Sample : VD0819SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 3:37:05 PM

Quant Time: Aug 20 08:03:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	208621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	315799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	289238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145216	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	111474	59.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.78%	
35) Dibromofluoromethane	7.91	113	107985	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
50) Toluene-d8	10.34	98	382704	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.63	95	138931	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	39323	21.394	ug/l	99
3) Chloromethane	2.20	50	29102	20.354	ug/l	92
4) Vinyl Chloride	2.35	62	28133	22.225	ug/l	96
5) Bromomethane	2.76	94	21514	25.617	ug/l	89
6) Chloroethane	2.92	64	17806	22.916	ug/l	97
7) Trichlorofluoromethane	3.27	101	71901	21.787	ug/l	91
8) Diethyl Ether	3.70	74	17959	19.286	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	39045	19.936	ug/l	98
10) Methyl Iodide	4.30	142	42457	27.326	ug/l	93
11) Tert butyl alcohol	5.19	59	16707	96.957	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	37173	20.120	ug/l	95
13) Acrolein	3.92	56	7403	49.970	ug/l	99
14) Allyl chloride	4.71	41	53794	19.219	ug/l	95
15) Acrylonitrile	5.42	53	38429	97.936	ug/l	96
16) Acetone	4.16	43	29710	84.128	ug/l	89
17) Carbon Disulfide	4.40	76	107733	18.339	ug/l	98
18) Methyl Acetate	4.71	43	18381	20.491	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	87038	20.553	ug/l	97
20) Methylene Chloride	4.97	84	71250	33.601	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	42391	19.973	ug/l	93
22) Diisopropyl ether	6.36	45	108049	19.521	ug/l	96
23) Vinyl Acetate	6.31	43	303432	93.574	ug/l	97
24) 1,1-Dichloroethane	6.27	63	71381	20.838	ug/l	95
25) 2-Butanone	7.21	43	45544	87.682	ug/l #	85
26) 2,2-Dichloropropane	7.21	77	63946	20.828	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	47636	21.398	ug/l	98
28) Bromochloromethane	7.54	49	26130	21.719	ug/l	94
29) Tetrahydrofuran	7.56	42	29356	91.220	ug/l	98
30) Chloroform	7.71	83	79245	22.032	ug/l	94
31) Cyclohexane	7.98	56	58344	17.893	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	76110	22.568	ug/l	97
36) 1,1-Dichloropropene	8.11	75	57947	19.527	ug/l	98
37) Ethyl Acetate	7.29	43	20971	17.836	ug/l	97
38) Carbon Tetrachloride	8.09	117	71441	21.588	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	64939	18.102	ug/l	94
40) Benzene	8.35	78	166714	20.251	ug/l	99
41) Methacrylonitrile	7.53	41	14028	20.291	ug/l	97
42) 1,2-Dichloroethane	8.42	62	54273	22.442	ug/l	97
43) Isopropyl Acetate	8.44	43	43378	18.725	ug/l	98
44) Trichloroethene	9.11	130	48656	19.614	ug/l	92
45) 1,2-Dichloropropane	9.38	63	38546	19.145	ug/l	92
46) Dibromomethane	9.47	93	22405	20.202	ug/l	98
47) Bromodichloromethane	9.66	83	61598	21.015	ug/l #	84
48) Methyl methacrylate	9.45	41	20564	17.384	ug/l #	80
49) 1,4-Dioxane	9.46	88	4707	330.358	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	106415	89.427	ug/l	100
52) Toluene	10.40	92	109172	20.154	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	55971	20.121	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	66042	20.264	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	31392	19.658	ug/l	97
56) Ethyl methacrylate	10.66	69	35845	18.685	ug/l #	94
57) 1,3-Dichloropropane	10.94	76	52979	19.983	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	90606	105.000	ug/l	98
59) 2-Hexanone	10.98	43	69981	83.796	ug/l	99
60) Dibromochloromethane	11.14	129	45994	20.862	ug/l	97
61) 1,2-Dibromoethane	11.24	107	31199	20.315	ug/l	100
64) Tetrachloroethene	10.87	164	45915	20.673	ug/l	96
65) Chlorobenzene	11.67	112	121378	20.672	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	50947	22.176	ug/l	96
67) Ethyl Benzene	11.74	91	205579	20.204	ug/l	98
68) m/p-Xylenes	11.85	106	162245	41.156	ug/l	96
69) o-Xylene	12.18	106	74736	20.840	ug/l	100
70) Styrene	12.20	104	128754	20.487	ug/l	96
71) Bromoform	12.36	173	28235	20.743	ug/l #	99
73) Isopropylbenzene	12.48	105	208972	21.558	ug/l	100
74) N-amyl acetate	12.29	43	36731	17.208	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	31889	19.293	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	25891m	21.380	ug/l	
77) Bromobenzene	12.76	156	53851	21.581	ug/l	95
78) n-propylbenzene	12.82	91	237830	21.107	ug/l	99
79) 2-Chlorotoluene	12.91	91	140421	21.789	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	177860	21.940	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	9925	18.117	ug/l	87
82) 4-Chlorotoluene	13.01	91	146071	21.471	ug/l	99
83) tert-Butylbenzene	13.23	119	150340	21.087	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	172075	21.210	ug/l	99
85) sec-Butylbenzene	13.40	105	198036	20.574	ug/l	98
86) p-Isopropyltoluene	13.52	119	190822	21.137	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	96561	20.589	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	96812	20.699	ug/l	98
89) n-Butylbenzene	13.85	91	161310	19.943	ug/l	99
90) Hexachloroethane	14.11	117	38828	21.565	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	85083	20.514	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6287	22.131	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	58197	19.040	ug/l	95
94) Hexachlorobutadiene	15.27	225	38548	21.417	ug/l	94
95) Naphthalene	15.41	128	100353	20.150	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	53455	19.811	ug/l	99

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

