

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066804.D
 Acq On : 22 Sep 2020 11:43
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:04:57 PM

Quant Time: Sep 22 13:00:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 22 12:44:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	408799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	667244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	600435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288783	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	78458	18.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.70%	
35) Dibromofluoromethane	7.91	113	83049	20.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.40%	
50) Toluene-d8	10.34	98	275985	19.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.02%	
62) 4-Bromofluorobenzene	12.63	95	97261	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77713	23.012	ug/l	99
3) Chloromethane	2.21	50	80505	18.627	ug/l	99
4) Vinyl Chloride	2.35	62	75709	16.857	ug/l	99
5) Bromomethane	2.76	94	53095	16.710	ug/l	98
6) Chloroethane	2.91	64	47852	17.240	ug/l	99
7) Trichlorofluoromethane	3.27	101	155526	19.563	ug/l	99
8) Diethyl Ether	3.71	74	37259	18.536	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	91408	20.804	ug/l	99
10) Methyl Iodide	4.30	142	73515	17.902	ug/l	95
11) Tert butyl alcohol	5.22	59	31327	72.163	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	82323	20.201	ug/l	95
13) Acrolein	3.93	56	30564	100.166	ug/l	95
14) Allyl chloride	4.71	41	117854	18.269	ug/l	99
15) Acrylonitrile	5.43	53	85656	97.029	ug/l	100
16) Acetone	4.16	43	79695	89.069	ug/l	93
17) Carbon Disulfide	4.40	76	258527	20.349	ug/l	95
18) Methyl Acetate	4.72	43	40220	18.764	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	170689	18.858	ug/l	100
20) Methylene Chloride	4.97	84	104389	17.461	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	93410	19.742	ug/l	85
22) Diisopropyl ether	6.37	45	254510	19.380	ug/l	99
23) Vinyl Acetate	6.31	43	611226	84.483	ug/l	98
24) 1,1-Dichloroethane	6.26	63	160090	19.046	ug/l	98
25) 2-Butanone	7.21	43	102988	90.424	ug/l	98
26) 2,2-Dichloropropane	7.20	77	147525	19.048	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	104370	20.168	ug/l	99
28) Bromochloromethane	7.54	49	64537	20.009	ug/l #	100
29) Tetrahydrofuran	7.56	42	63929	91.491	ug/l	98
30) Chloroform	7.71	83	176130	19.718	ug/l	99
31) Cyclohexane	7.99	56	148683	19.581	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	159200	19.482	ug/l	99
36) 1,1-Dichloropropene	8.11	75	134821	19.725	ug/l	99
37) Ethyl Acetate	7.29	43	44213	17.104	ug/l #	92
38) Carbon Tetrachloride	8.10	117	143679	19.747	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	153579	19.649	ug/l	98
40) Benzene	8.35	78	373879	20.113	ug/l	96
41) Methacrylonitrile	7.54	41	35964	25.747	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	110935	19.450	ug/l	100
43) Isopropyl Acetate	8.44	43	89233	18.298	ug/l	99
44) Trichloroethene	9.11	130	103963	20.748	ug/l	100
45) 1,2-Dichloropropane	9.38	63	92195	19.978	ug/l	98
46) Dibromomethane	9.47	93	51066	20.092	ug/l	98
47) Bromodichloromethane	9.66	83	136893	19.922	ug/l	98
48) Methyl methacrylate	9.46	41	42488	17.410	ug/l	99
49) 1,4-Dioxane	9.46	88	12480	457.571	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	221587	88.328	ug/l	100
52) Toluene	10.40	92	241101	20.239	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	112882	18.453	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	138855	19.108	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	69832	20.738	ug/l	97
56) Ethyl methacrylate	10.66	69	70571	18.711	ug/l	97
57) 1,3-Dichloropropane	10.94	76	115571	19.815	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	194558	115.866	ug/l	98
59) 2-Hexanone	10.98	43	152272	90.324	ug/l	100
60) Dibromochloromethane	11.14	129	88764	20.353	ug/l	98
61) 1,2-Dibromoethane	11.24	107	62763	19.538	ug/l	97
64) Tetrachloroethene	10.87	164	88530	21.444	ug/l	97
65) Chlorobenzene	11.67	112	250388	20.189	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	94722	20.524	ug/l	99
67) Ethyl Benzene	11.74	91	441564	19.713	ug/l	98
68) m/p-Xylenes	11.85	106	338114	39.831	ug/l	97
69) o-Xylene	12.18	106	150232	19.967	ug/l	100
70) Styrene	12.19	104	262343	19.859	ug/l	98
71) Bromoform	12.36	173	46196	19.882	ug/l #	99
73) Isopropylbenzene	12.48	105	415034	19.326	ug/l	98
74) N-amyl acetate	12.29	43	76993	17.067	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	71087	19.266	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	43767m	17.605	ug/l	
77) Bromobenzene	12.76	156	97982	19.607	ug/l	98
78) n-propylbenzene	12.82	91	500984	19.182	ug/l	99
79) 2-Chlorotoluene	12.91	91	287285	19.460	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	360905	19.904	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17252	15.260	ug/l	88
82) 4-Chlorotoluene	13.00	91	306518	19.581	ug/l	98
83) tert-Butylbenzene	13.23	119	284362	18.983	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	358676	19.783	ug/l	99
85) sec-Butylbenzene	13.40	105	420542	19.623	ug/l	98
86) p-Isopropyltoluene	13.52	119	380535	19.544	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	190855	19.992	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	183660	19.302	ug/l	97
89) n-Butylbenzene	13.85	91	357267	19.370	ug/l	99
90) Hexachloroethane	14.11	117	74419	18.692	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	160567	19.615	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10227	17.327	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	101141	20.413	ug/l	96
94) Hexachlorobutadiene	15.27	225	59233	19.814	ug/l	96
95) Naphthalene	15.41	128	161300	18.466	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	87509	20.056	ug/l	98

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

