

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066906.D
 Acq On : 28 Sep 2020 11:57
 Operator : VA/SY
 Sample : VD0928SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 11:46:40 AM

Quant Time: Sep 29 01:08:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	429320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	674794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	610311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297707	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190980	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
35) Dibromofluoromethane	7.91	113	206788	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
50) Toluene-d8	10.34	98	737161	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.63	95	256939	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76254	22.242	ug/l	92
3) Chloromethane	2.21	50	73185	18.553	ug/l	100
4) Vinyl Chloride	2.35	62	70845	18.179	ug/l	98
5) Bromomethane	2.76	94	48512	17.711	ug/l	98
6) Chloroethane	2.92	64	41972	17.344	ug/l #	80
7) Trichlorofluoromethane	3.27	101	156564	19.562	ug/l	100
8) Diethyl Ether	3.71	74	40776	20.069	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	92773	19.991	ug/l	98
10) Methyl Iodide	4.30	142	74357	18.157	ug/l	96
11) Tert butyl alcohol	5.23	59	33488	103.999	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	81925	19.487	ug/l	98
13) Acrolein	3.93	56	24419	78.776	ug/l	94
14) Allyl chloride	4.71	41	113759	18.428	ug/l	98
15) Acrylonitrile	5.43	53	85091	94.501	ug/l	99
16) Acetone	4.16	43	74738	83.844	ug/l	96
17) Carbon Disulfide	4.41	76	247266	19.238	ug/l	96
18) Methyl Acetate	4.72	43	38833	17.140	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	182247	19.962	ug/l	98
20) Methylene Chloride	4.97	84	116975	20.930	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	94891	19.494	ug/l	95
22) Diisopropyl ether	6.36	45	239654	18.881	ug/l	95
23) Vinyl Acetate	6.31	43	607854	89.936	ug/l	99
24) 1,1-Dichloroethane	6.27	63	159470	18.781	ug/l	96
25) 2-Butanone	7.21	43	100760	94.062	ug/l	98
26) 2,2-Dichloropropane	7.20	77	146790	18.861	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	106669	20.168	ug/l	95
28) Bromochloromethane	7.55	49	62711	17.877	ug/l #	93
29) Tetrahydrofuran	7.56	42	65570	95.530	ug/l	97
30) Chloroform	7.71	83	174456	19.060	ug/l	99
31) Cyclohexane	7.98	56	141933	18.577	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	161761	19.536	ug/l	99
36) 1,1-Dichloropropene	8.11	75	133047	19.874	ug/l	99
37) Ethyl Acetate	7.29	43	48071	19.863	ug/l #	92
38) Carbon Tetrachloride	8.10	117	145324	19.856	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	151097	19.658	ug/l	96
40) Benzene	8.34	78	373105	19.998	ug/l	94
41) Methacrylonitrile	7.51	41	27486m	18.468	ug/l	
42) 1,2-Dichloroethane	8.42	62	104972	19.032	ug/l	98
43) Isopropyl Acetate	8.45	43	88413	18.949	ug/l	98
44) Trichloroethene	9.11	130	108299	20.365	ug/l	98
45) 1,2-Dichloropropane	9.38	63	90622	19.305	ug/l	99
46) Dibromomethane	9.47	93	51060	20.020	ug/l	95
47) Bromodichloromethane	9.66	83	133673	19.510	ug/l	99
48) Methyl methacrylate	9.46	41	42237	18.360	ug/l	97
49) 1,4-Dioxane	9.46	88	13257	395.628	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	229972	97.272	ug/l	100
52) Toluene	10.40	92	243753	20.282	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	119201	20.441	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	144268	20.289	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	70129	20.001	ug/l	98
56) Ethyl methacrylate	10.66	69	76743	20.431	ug/l	98
57) 1,3-Dichloropropane	10.94	76	115669	19.979	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	206967	116.372	ug/l	97
59) 2-Hexanone	10.98	43	156892	98.404	ug/l	99
60) Dibromochloromethane	11.14	129	95315	20.829	ug/l	98
61) 1,2-Dibromoethane	11.24	107	68533	21.015	ug/l	98
64) Tetrachloroethene	10.87	164	94715	21.575	ug/l	98
65) Chlorobenzene	11.67	112	261981	20.622	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	101109	21.028	ug/l	100
67) Ethyl Benzene	11.74	91	455871	20.431	ug/l	98
68) m/p-Xylenes	11.85	106	361404	42.781	ug/l	97
69) o-Xylene	12.18	106	159113	20.830	ug/l	99
70) Styrene	12.19	104	279397	21.062	ug/l	99
71) Bromoform	12.36	173	52831	21.701	ug/l #	98
73) Isopropylbenzene	12.48	105	438845	20.405	ug/l	99
74) N-amyl acetate	12.29	43	82631	19.675	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	74984	20.206	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	54729m	22.183	ug/l	
77) Bromobenzene	12.76	156	105498	20.974	ug/l	95
78) n-propylbenzene	12.82	91	523784	20.244	ug/l	98
79) 2-Chlorotoluene	12.91	91	296675	20.122	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	375169	20.559	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22349	22.664	ug/l	94
82) 4-Chlorotoluene	13.00	91	313939	20.199	ug/l	99
83) tert-Butylbenzene	13.23	119	312615	20.848	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	377877	20.883	ug/l	100
85) sec-Butylbenzene	13.40	105	443717	20.578	ug/l	100
86) p-Isopropyltoluene	13.52	119	406386	20.908	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	201469	20.274	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203210	20.589	ug/l	98
89) n-Butylbenzene	13.84	91	369342	19.992	ug/l	99
90) Hexachloroethane	14.11	117	76593	19.410	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	175168	20.604	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11883	19.905	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	114058	21.312	ug/l	93
94) Hexachlorobutadiene	15.27	225	67035	20.902	ug/l	98
95) Naphthalene	15.41	128	185851	20.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	94981	20.562	ug/l	98

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

