

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067430.D
 Acq On : 28 Oct 2020 13:31
 Operator : VA/SY
 Sample : VD1028SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 12:00:54 PM

Quant Time: Oct 29 01:01:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	311082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	458540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	433725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219686	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	159212	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
35) Dibromofluoromethane	7.92	113	163751	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
50) Toluene-d8	10.34	98	580113	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.64	95	203580	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	48501	16.493	ug/l	99
3) Chloromethane	2.21	50	36309	18.546	ug/l	98
4) Vinyl Chloride	2.35	62	39076	18.191	ug/l	94
5) Bromomethane	2.76	94	30768	19.133	ug/l	90
6) Chloroethane	2.92	64	24780	18.523	ug/l	95
7) Trichlorofluoromethane	3.27	101	109340	20.214	ug/l	97
8) Diethyl Ether	3.70	74	25483	20.588	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58731	20.436	ug/l	100
10) Methyl Iodide	4.30	142	47979	18.098	ug/l	99
11) Tert butyl alcohol	5.21	59	21502	106.535	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	50380	19.623	ug/l	89
13) Acrolein	3.93	56	8563	63.653	ug/l	100
14) Allyl chloride	4.71	41	56572	19.241	ug/l	99
15) Acrylonitrile	5.43	53	42192	102.159	ug/l	96
16) Acetone	4.16	43	45412	104.042	ug/l	97
17) Carbon Disulfide	4.41	76	133910	18.296	ug/l	100
18) Methyl Acetate	4.72	43	20096	20.186	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	103816	20.336	ug/l	94
20) Methylene Chloride	4.96	84	65910	20.968	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	59357	20.090	ug/l	98
22) Diisopropyl ether	6.36	45	116269	21.648	ug/l	95
23) Vinyl Acetate	6.31	43	313565	102.617	ug/l	100
24) 1,1-Dichloroethane	6.27	63	95248	20.717	ug/l	96
25) 2-Butanone	7.21	43	52125	104.766	ug/l	89
26) 2,2-Dichloropropane	7.21	77	96870	20.441	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	69375	21.425	ug/l	99
28) Bromochloromethane	7.55	49	29504	18.814	ug/l	99
29) Tetrahydrofuran	7.56	42	29899	108.106	ug/l #	85
30) Chloroform	7.71	83	115050	20.947	ug/l	90
31) Cyclohexane	7.98	56	67857	18.904	ug/l	89
32) 1,1,1-Trichloroethane	7.90	97	108929	20.214	ug/l	95
36) 1,1-Dichloropropene	8.11	75	78834	20.284	ug/l	97
37) Ethyl Acetate	7.30	43	26228	22.938	ug/l #	91
38) Carbon Tetrachloride	8.10	117	104993	21.137	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	82583	20.326	ug/l	97
40) Benzene	8.36	78	226168	21.213	ug/l	97
41) Methacrylonitrile	7.54	41	13801m	22.335	ug/l	
42) 1,2-Dichloroethane	8.43	62	71763	21.508	ug/l	99
43) Isopropyl Acetate	8.46	43	48924	21.563	ug/l	98
44) Trichloroethene	9.11	130	71875	21.055	ug/l	97
45) 1,2-Dichloropropane	9.40	63	53332	21.583	ug/l	97
46) Dibromomethane	9.48	93	31934	20.742	ug/l	99
47) Bromodichloromethane	9.67	83	89443	21.684	ug/l	93
48) Methyl methacrylate	9.46	41	22869	20.741	ug/l	96
49) 1,4-Dioxane	9.47	88	6586	424.574	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	119693	105.767	ug/l	98
52) Toluene	10.41	92	160734	22.134	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	76984	21.246	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	88971	20.981	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	47983	22.856	ug/l	89
56) Ethyl methacrylate	10.67	69	48795	22.411	ug/l	94
57) 1,3-Dichloropropane	10.96	76	73317	21.944	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	121242	108.547	ug/l	98
59) 2-Hexanone	10.99	43	81429	105.300	ug/l	98
60) Dibromochloromethane	11.14	129	66401	21.688	ug/l	96
61) 1,2-Dibromoethane	11.25	107	44211	21.361	ug/l	98
64) Tetrachloroethene	10.88	164	65028	20.693	ug/l	97
65) Chlorobenzene	11.67	112	178405	21.450	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	71906	21.753	ug/l	99
67) Ethyl Benzene	11.75	91	299593	21.013	ug/l	99
68) m/p-Xylenes	11.86	106	237039	43.175	ug/l	98
69) o-Xylene	12.18	106	105757	20.802	ug/l	96
70) Styrene	12.20	104	184808	21.117	ug/l	99
71) Bromoform	12.37	173	39534	22.262	ug/l #	94
73) Isopropylbenzene	12.48	105	294833	21.146	ug/l	97
74) N-amyl acetate	12.29	43	43303	20.564	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	43440	20.334	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	34590m	22.717	ug/l	
77) Bromobenzene	12.77	156	74847	21.532	ug/l	97
78) n-propylbenzene	12.83	91	344527	21.327	ug/l	99
79) 2-Chlorotoluene	12.91	91	201618	21.521	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	264869	21.861	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	13859	20.641	ug/l	95
82) 4-Chlorotoluene	13.01	91	216895	21.814	ug/l	100
83) tert-Butylbenzene	13.23	119	222483	21.738	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	266680	22.269	ug/l	99
85) sec-Butylbenzene	13.41	105	297481	21.183	ug/l	99
86) p-Isopropyltoluene	13.52	119	289193	21.817	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	147934	22.111	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	144195	21.753	ug/l	99
89) n-Butylbenzene	13.85	91	242413	20.788	ug/l	100
90) Hexachloroethane	14.12	117	48609	21.015	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	125458	21.465	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8197	21.120	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	81759	20.747	ug/l	98
94) Hexachlorobutadiene	15.27	225	53934	22.039	ug/l	98
95) Naphthalene	15.41	128	129404	20.000	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	70541	20.720	ug/l	98

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

