

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001088.D
 Acq On : 27 Dec 2019 11:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/30/2019 3:33:06 PM

Quant Time: Dec 28 04:15:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	305777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	530854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	465919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	207534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	144486	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
35) Dibromofluoromethane	7.73	113	151462	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	10.18	98	637585	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.48	95	204016	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	128891	48.374	ug/l	98
3) Chloromethane	2.12	50	156283	43.096	ug/l	97
4) Vinyl Chloride	2.26	62	163182	46.336	ug/l	97
5) Bromomethane	2.65	94	104540	46.967	ug/l	100
6) Chloroethane	2.80	64	107165	48.857	ug/l	94
7) Trichlorofluoromethane	3.13	101	268822	52.043	ug/l	97
8) Diethyl Ether	3.54	74	113289	53.729	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.90	101	189440	55.832	ug/l	98
10) Methyl Iodide	4.10	142	241442	51.503	ug/l	99
11) Tert butyl alcohol	4.96	59	85768	258.651	ug/l	99
12) 1,1-Dichloroethene	3.88	96	182311	53.072	ug/l	94
13) Acrolein	3.73	56	104971	255.491	ug/l	99
14) Allyl chloride	4.49	41	272970	51.152	ug/l	98
15) Acrylonitrile	5.18	53	299566	284.278	ug/l	99
16) Acetone	3.96	43	156348	225.038	ug/l	99
17) Carbon Disulfide	4.20	76	478423	42.621	ug/l	97
18) Methyl Acetate	4.49	43	138475	51.951	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	494084	55.727	ug/l	99
20) Methylene Chloride	4.72	84	211114	51.625	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	202819	53.275	ug/l	96
22) Diisopropyl ether	6.13	45	558687	51.795	ug/l	98
23) Vinyl Acetate	6.07	43	1769952	259.823	ug/l	100
24) 1,1-Dichloroethane	6.02	63	341668	53.601	ug/l	97
25) 2-Butanone	6.99	43	305986	250.702	ug/l	93
26) 2,2-Dichloropropane	6.99	77	288649	55.117	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	235739	56.363	ug/l	96
28) Bromochloromethane	7.34	49	118999	47.846	ug/l	92
29) Tetrahydrofuran	7.36	42	220431	253.898	ug/l	95
30) Chloroform	7.52	83	335007	55.580	ug/l	100
31) Cyclohexane	7.79	56	307358	45.855	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	286323	55.687	ug/l	99
36) 1,1-Dichloropropene	7.92	75	271049	53.522	ug/l	98
37) Ethyl Acetate	7.08	43	147986	52.774	ug/l	98
38) Carbon Tetrachloride	7.91	117	250723	56.506	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	352764	52.454	ug/l	98
40) Benzene	8.17	78	842652	55.154	ug/l	96
41) Methacrylonitrile	7.32	41	58130m	47.814	ug/l	
42) 1,2-Dichloroethane	8.24	62	197128	53.966	ug/l	100
43) Isopropyl Acetate	8.28	43	275454	53.064	ug/l	97
44) Trichloroethene	8.94	130	227820	56.594	ug/l	97
45) 1,2-Dichloropropane	9.22	63	209641	54.696	ug/l	99
46) Dibromomethane	9.31	93	110855	56.107	ug/l	99
47) Bromodichloromethane	9.50	83	259852	56.778	ug/l	97
48) Methyl methacrylate	9.30	41	115194	52.002	ug/l	90
49) 1,4-Dioxane	9.30	88	33867	1171.776	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	718654	265.617	ug/l	98
52) Toluene	10.24	92	526623	56.002	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	282347	56.845	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	333692	55.871	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	169841	57.581	ug/l	96
56) Ethyl methacrylate	10.51	69	237698	56.622	ug/l	96
57) 1,3-Dichloropropane	10.79	76	287309	55.571	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	384109	236.897	ug/l	99
59) 2-Hexanone	10.83	43	501520	267.889	ug/l	98
60) Dibromochloromethane	10.99	129	187370	59.469	ug/l	98
61) 1,2-Dibromoethane	11.09	107	163456	57.951	ug/l	100
64) Tetrachloroethene	10.72	164	228636	56.715	ug/l	97
65) Chlorobenzene	11.52	112	551751	57.090	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	187922	58.921	ug/l	99
67) Ethyl Benzene	11.59	91	997801	57.400	ug/l	100
68) m/p-Xylenes	11.70	106	761576	115.383	ug/l	98
69) o-Xylene	12.03	106	355735	57.289	ug/l	98
70) Styrene	12.04	104	619041	58.631	ug/l	99
71) Bromoform	12.20	173	105958	59.665	ug/l #	100
73) Isopropylbenzene	12.33	105	943900	58.774	ug/l	99
74) N-amyl acetate	12.14	43	225019	53.333	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	187287	59.197	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	130386m	50.962	ug/l	
77) Bromobenzene	12.61	156	212519	58.838	ug/l	97
78) n-propylbenzene	12.67	91	1147681	58.648	ug/l	100
79) 2-Chlorotoluene	12.75	91	617786	57.166	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	763432	57.993	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	72953	60.814	ug/l	99
82) 4-Chlorotoluene	12.85	91	629992	56.125	ug/l	97
83) tert-Butylbenzene	13.07	119	668035	60.453	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	767885	58.048	ug/l	100
85) sec-Butylbenzene	13.25	105	952573	58.472	ug/l	99
86) p-Isopropyltoluene	13.37	119	835120	59.243	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	402930	58.084	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	404438	57.794	ug/l	99
89) n-Butylbenzene	13.69	91	823609	58.072	ug/l	99
90) Hexachloroethane	13.95	117	159965	60.232	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	369821	57.793	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	28688	54.197	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	248005	57.419	ug/l	100
94) Hexachlorobutadiene	15.11	225	119960	58.364	ug/l	99
95) Naphthalene	15.23	128	580532	57.152	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	216652	56.246	ug/l	99

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

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